HITACHI
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INSTRUCTION MANUAL

Projection Color Television

C43-FL9000
C52-WD9000

- Thank you for your purchasing **HITACHI** projection TV products.
- In order to use the Projection color TV properly, please read this instruction manual carefully before using it.

CONTENTS

SAFETY TIPS ····· 3
BEFORE USING THIS PROJECTION COLOR TV ····· 7
Note ····· 7
Location ····· 7
The best spot for viewing ····· 7
Connect the power cord and the antenna ····· 8
Insert the batteries ····· 8
FUNCTIONAL PARTS ····· 9
Control panel and side panel ····· 9
Rear panel ····· 11
On the remote control unit ····· 12
GETTING STARTED ····· 13
Power on/off ····· 13
Instructions for operating menu ····· 14
Selecting the on-screen display language ····· 15
Easy Preset ····· 16
ON-SCREEN DISPLAY MENU ····· 17
Picture Menu ····· 17
Audio Menu ····· 19
Timer Menu ····· 20
Function Menu ····· 21
Setup Menu ····· 23
CONVERGENCE ADJUSTMENT ····· 32
MULTI PICTURE ····· 33
CH SURF FUNCTION ····· 38
TELETEXT ····· 40
OTHER FUNCTIONS ····· 41
CONNECTION WITH OTHER EQUIPMENT ····· 48
Jacks and connections of side panel ····· 48
Jacks and connections of rear panel ····· 49
About the jacks and connections of rear panel ····· 52
ADDENDA ····· 53
A guide to simple problem solving ····· 53
Accessories ····· 53
Specifications ····· 54

SAFETY TIPS

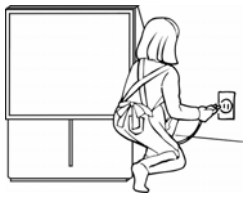
In order to use this TV safely, you must pay attention to the notice shown below.

This symbol indicates forbidden actions.

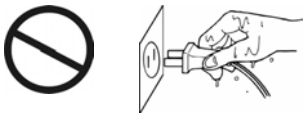
This symbol indicates additional cautions (including warning).

This symbol indicates required actions.

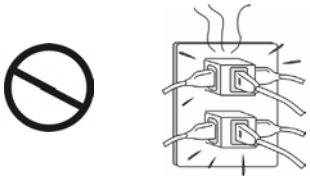
Refer to the Power Supply as indicated on the rating label pasted at the back of the TV set.
Do not use the TV outside the specified voltage range.
It may cause a fire or an electric shock.



Never insert or remove the power plug with wet hands.
This may cause electric shock.



- Do not overload wall outlets and extension cords as this can result in fire or electric shock.

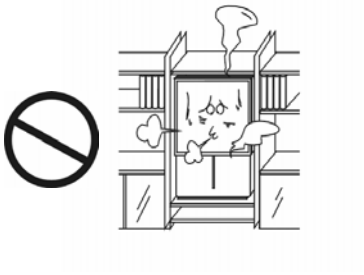


- Do not place any objects on the cord or allow it to overpass. If the cord or plug is damaged, please cut power supply immediately, then contact a service technician for inspection.

- Do not apply excessive force to the power cord.
- Do not allow the power cord to overheat as this may cause damage.
- Do not pull on the power cord when removing the plug from the outlet, please hold the plug firmly when removing it.

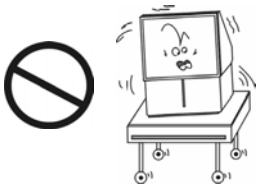
- **Do not place the TV into a closet or bookshelf where the ventilation is poor.**
- **Do not cover the TV with cloth or other objects.**
- **Do not place the TV with its screen facing upwards, or on its side. Allow sufficient space between the TV and walls.**

Ensure that there is sufficient ventilation and that vents are unobstructed to prevent the buildup of heat inside the TV, or else, it may result in a malfunction.



- **Do not place the TV on an unstable cart, stand or table.**
- **Do not place the TV in an unstabilized location such as on a bed, sofa, etc.**
- **Do not use the TV in locations exposed to high humidity levels such as close to a bathtub, washbowl, kitchen, washing machine, swimming pool or moisture, etc.**

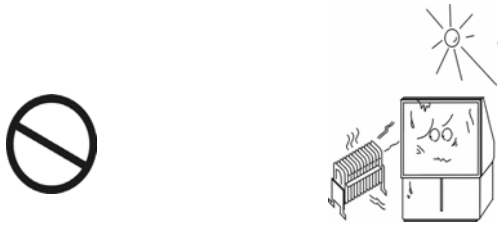
Please always keep the TV in a dry place. If the TV gets damp, it may cause a malfunction.

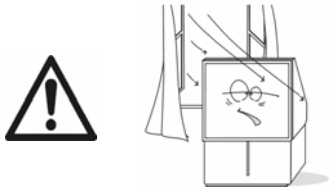


SAFETY TIPS

- **Do not place the TV near heat source (such as a radiator, stove etc.) or a place where sunlight shines directly on the screen.**

  Overheating will cause failure of the TV.

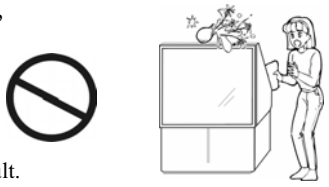




- **Do not place the TV in a dusty place or exposed to rain.**
  Since accumulated dust inside the chassis may cause failure of the set when high humidity persists.

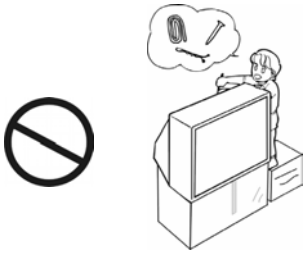
- **Do not place containers filled with liquids or other objects, e.g. house plant, vase, tea sets, etc.**
  In case liquids are spilled inside the TV， please remove the plug from the wall outlet immediately and contact a service technician.

  In addition, if rubber or vinyl products remain in contact with the cabinet or screen of the TV for a long time, the TV surface may get damaged or a stain may result.



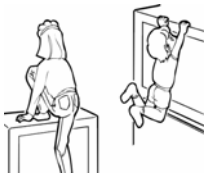
- **Do not insert objects or pour water inside the TV from ventilation holes and other slots.**

  Be especially careful that children do not insert objects in the TV, such as coins, nails, clips, toys, etc.
  If these objects drops inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.



- **Do not climb or sit on top of the TV.**

  Do not stand or hang on the TV.
  It may result in the TV falling over, damaging, the screen broken etc. or causing an injury.

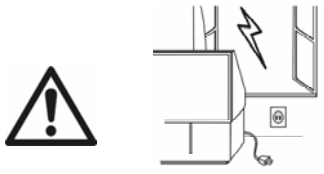


- **Avoid any kind of impact to your television.**
  Be especially careful not to damage the screen face.

- **Do not attempt to touch the screen, marks may result.**

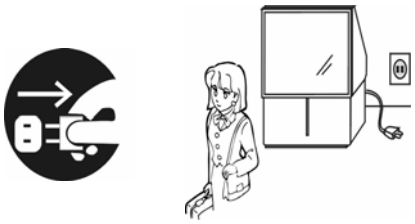
SAFETY TIPS

- **In order not to damage the parts in the set, please unplug and remove the outdoor antenna connection during lightning storms.**



- **When going out or your TV is set to remain unused for a long periods of time, please turn off the television and unplug it from the wall outlet.**

Accumulated dust on the plug or the humidity may cause a fire or electric shock due to reduced insulation on it. So when the TV won't be used for a long period of time, be sure to remove the power plug from the wall outlet.



- **Do not disassemble, repair or modify the TV by yourself.**
  To prevent shock, disassembling the cabinet or touching the parts inside the TV by other than professional person is prohibited.

Precautions when moving

- When moving the TV, be sure to remove the plug from the wall outlet and disconnect the aerial cable, audio/video cable.
- As this TV is heavy, wherever it is moved, at least two people are required to transport it safely.
- Do not move the TV forcefully as it may leave scratch marks on the floor.
- Be careful when moving the TV. Avoid any bumps onto the screen.

Cleaning

1.Before cleaning the TV, remove the power plug from the wall outlet.
2.Do not use solvents such as volatile substances, diluent to clean the TV. These solvents may distort the cabinet and screen or damage its finish.
3.Do not use vacuum cleaner, polish, sand paper to clean the cabinet or screen of the TV.
4.If accumulated dust cover the cabinet or screen, please use a soft, dry cloth to clean.
5.Do not directly use liquid or an aerosol sprays to clean the cabinet of the TV.
6.Do not use the detergent directly on the TV if it is dirty.
  －Please use a clean soft cloth moistened with water to clean it.
  －Then wipe with a dry soft cloth.

SAFETY TIPS

Moisture Condensation

If the room temperature suddenly rises or falls (e.g. the TV is moved from a cool place to a warm place), condensation may occur on the screen or lenses resulting in picture fading or color distortion.
In such case, please wait a while for the condensation to evaporate. The sound and picture will be restored to normal.

- **Precautions on stationary images**

If you watch TV programs, please select proportional active images, or by setting the aspect mode to display such proportional active images on your screen.

Avoid displaying stationary images on your screen for an extended period of time. Some bright and stationary patterns generated by computer displays, video games or multi window, etc. can cause permanently ingrained on the picture tube. Should you wish to display still images, it is always advisable to reduce the brightness and contrast settings.
This damage is not protected by your warranty as it is the result of misuse.

Maintenance

- If the set does not work properly, and you are unable to restore normal operation by following the "A guide to simple problem solving" section in your Instruction Manual, please unplug the set and consult service personnel.
- If the TV is dropped or the cabinet is damaged, remove the power plug immediately and contact a service technician for inspection.
- If there are smoke or strange smell from the TV, please remove the power plug from the wall outlet immediately and contact a service technician for inspection.

BEFORE USING THIS PROJECTION COLOR TV

Note

This is not an integrated digital TV. To watch digital broadcast programs (if available), you have to purchase a Digital Set-Top Box that will receive and decode digital broadcast signals and input to the TV via the component input terminals.

Location

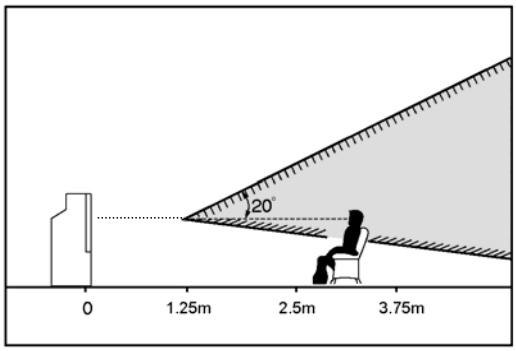
Select an area where sunlight or bright indoor illumination will not fall directly on the picture screen. Also, be sure that the location selected allows a free flow of air to and from the perforated back cover of the set.

Do not place the TV where temperature is excessively high, for example in direct sunlight or near a heating appliance, etc.

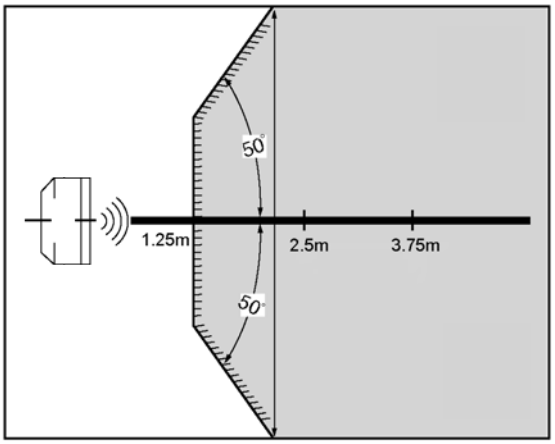
The best spot for viewing

The major benefit of the TV is its large viewing screen. To see this large screen at its best, please test various locations in the room to find the best spot for viewing. The following gives some suggestions.

The best picture and audio performance are obtained directly in front of the TV and about 2.5 to 4.5 meters from the screen. Picture brightness decreases as the viewer moves to left and right of the receiver.



Best vertical viewing angle



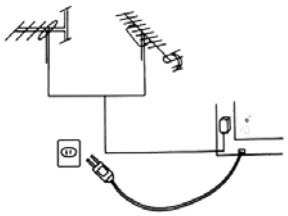
Best horizontal viewing angle

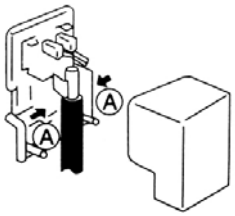
Note: Do not put magnetism source such as external stereo system close to the TV, as the picture distortion may occur under magnetism from the speakers. Please move the stereo system in locations where the picture will not be affected.

BEFORE USING THIS PROJECTION COLOR TV

Connect the power cord and the antenna

Please read the rating label pasted at the back of the TV set carefully, and then insert the plug into the power outlet conformity to the rating label. Optimum reception requires that an outdoor aerial or CATV system must be used. Meanwhile, please note that a good antenna adaptor is necessary. See the following diagram.





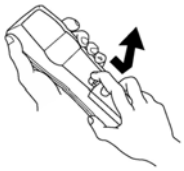
Precautions when connecting the antenna

① When you use an outdoor antenna instead of CATV system, avoid erecting in locations where there are elevated wires or other electrical circuit.
② When choosing an outdoor antenna make sure the groundings are correct.
③ Please use a coaxial cable that is free from interference to connect the antenna. Avoid using a parallel feeder wire as interference may occur, causing reception to be unstable and stripe noise to appear on the screen. For safety, install an external aerial conformity to AS 1417.1(in Australia only).
④ Clamp section A using pliers when installing the coaxial cable. If other types of adaptors are used, be sure that the core and shielding are good.
⑤ Avoid using indoor aerial as this may be affected by interference.
⑥ Keep the power cord as far away from the antenna wire as possible.

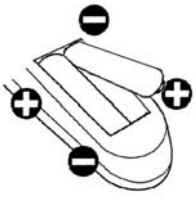
Insert the batteries

Insert the batteries into the remote control unit. Under normal use, the life of the batteries is approximately one year.

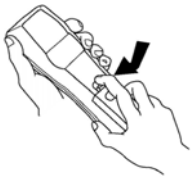
① Open the battery cover of the remote control unit by pushing the notched part of the cover with your fingers.



② Insert the batteries, paying special attention to their polarities.



③ Replace the cover.



Precautions when using the batteries

① Do not use old and new batteries together.
② Do not use different types of batteries (for example, Manganese and Alkaline batteries) together.
③ Remove the batteries from the remote control unit if you do not intend to use the unit for long periods of time. Otherwise the batteries may leak and cause damage.
④ Do not throw the batteries into the fire.

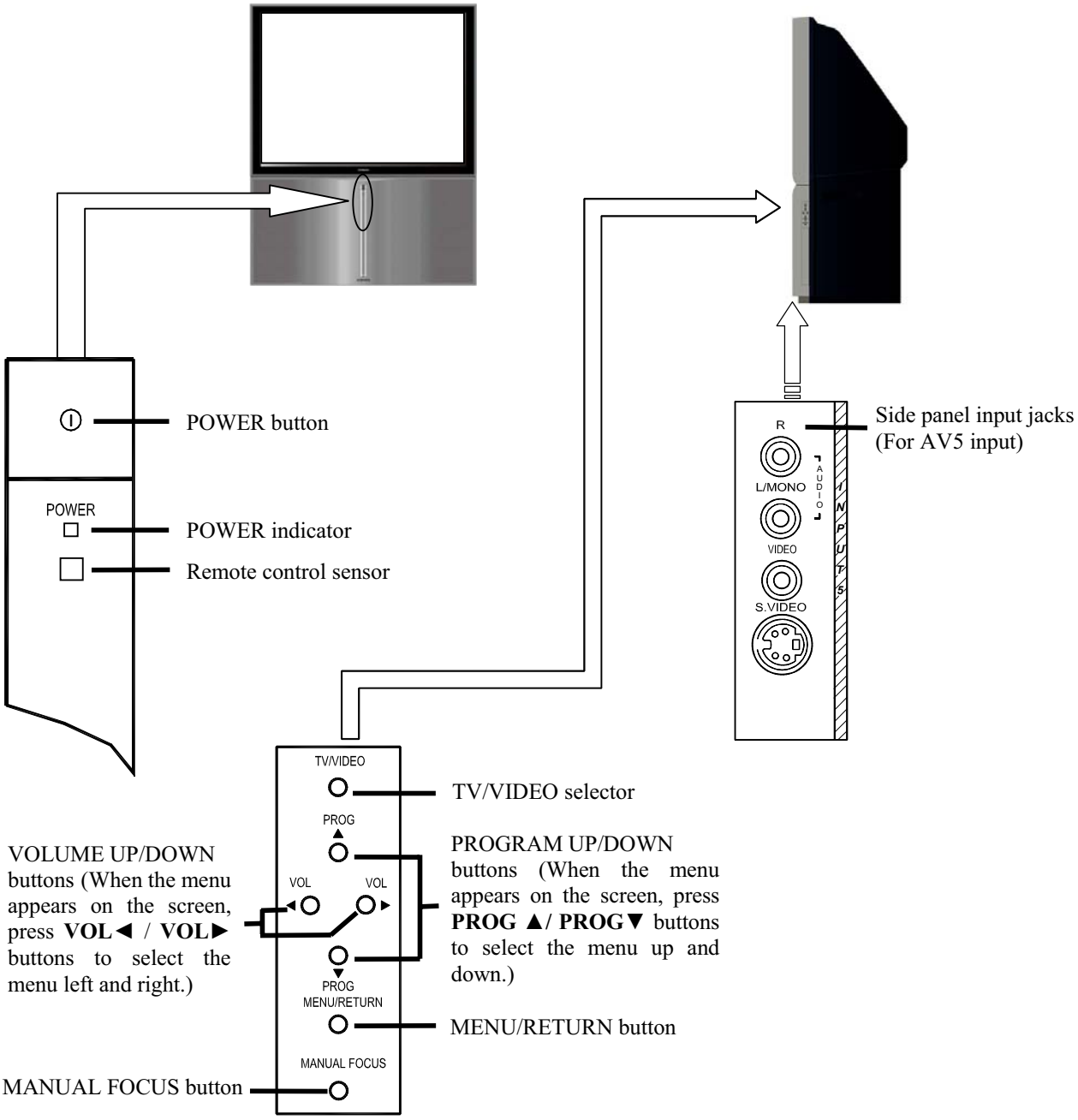
Precautions when using the remote control unit

① Do not drop the remote control unit or subject it to physical shocks.
② Keep the remote control unit dry. Wetting it may cause the unit to malfunction.
③ Replace the batteries with new ones when the operating range of the unit is shortened.

FUNCTIONAL PARTS

Control panel and side panel

(The control panel and side panel shown as below is designed for the C43-FL9000 model.)

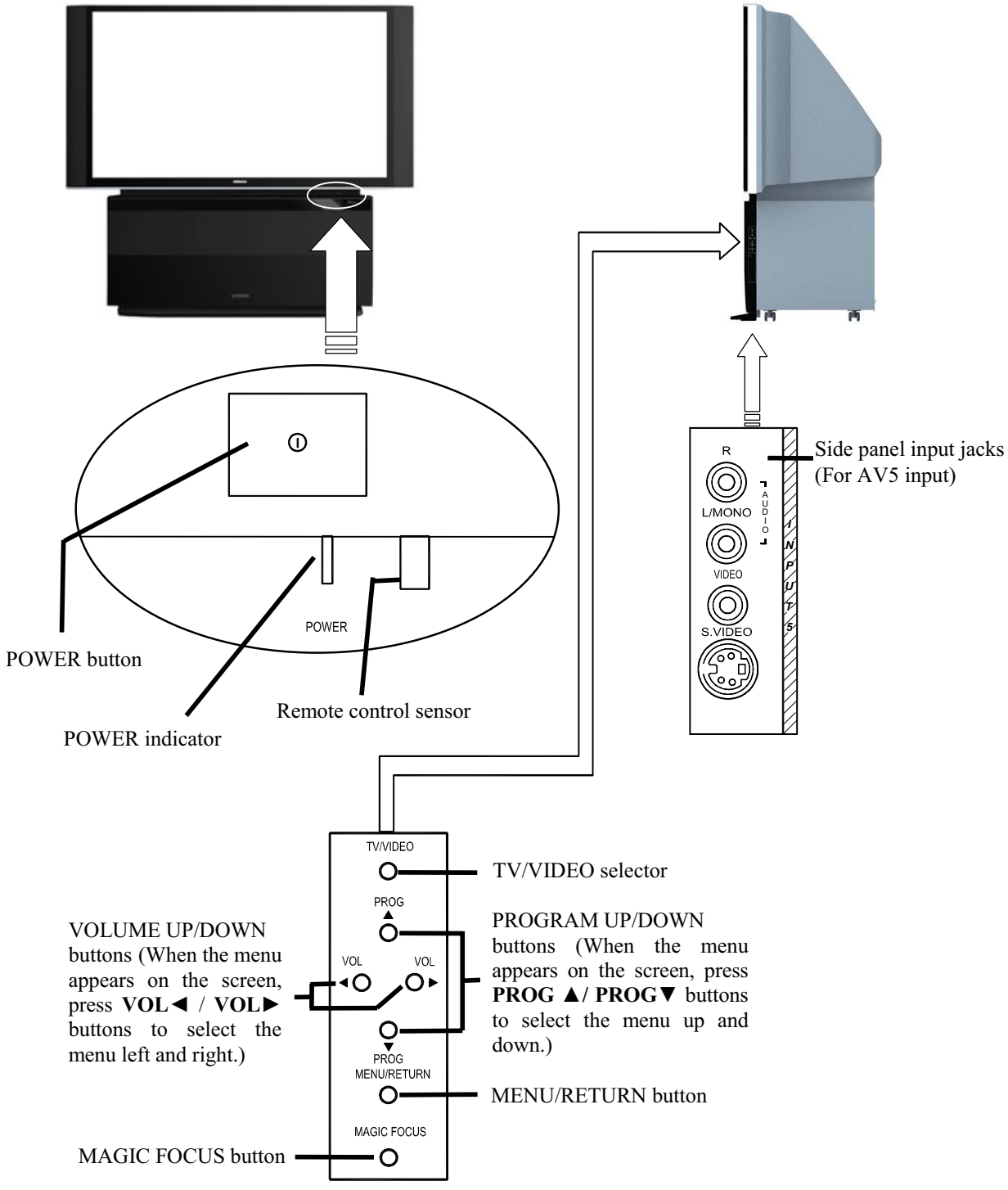


Note: Before using these input jacks, please refer to the INSTRUCTION MANUAL on page 48.

FUNCTIONAL PARTS

Control panel and side panel

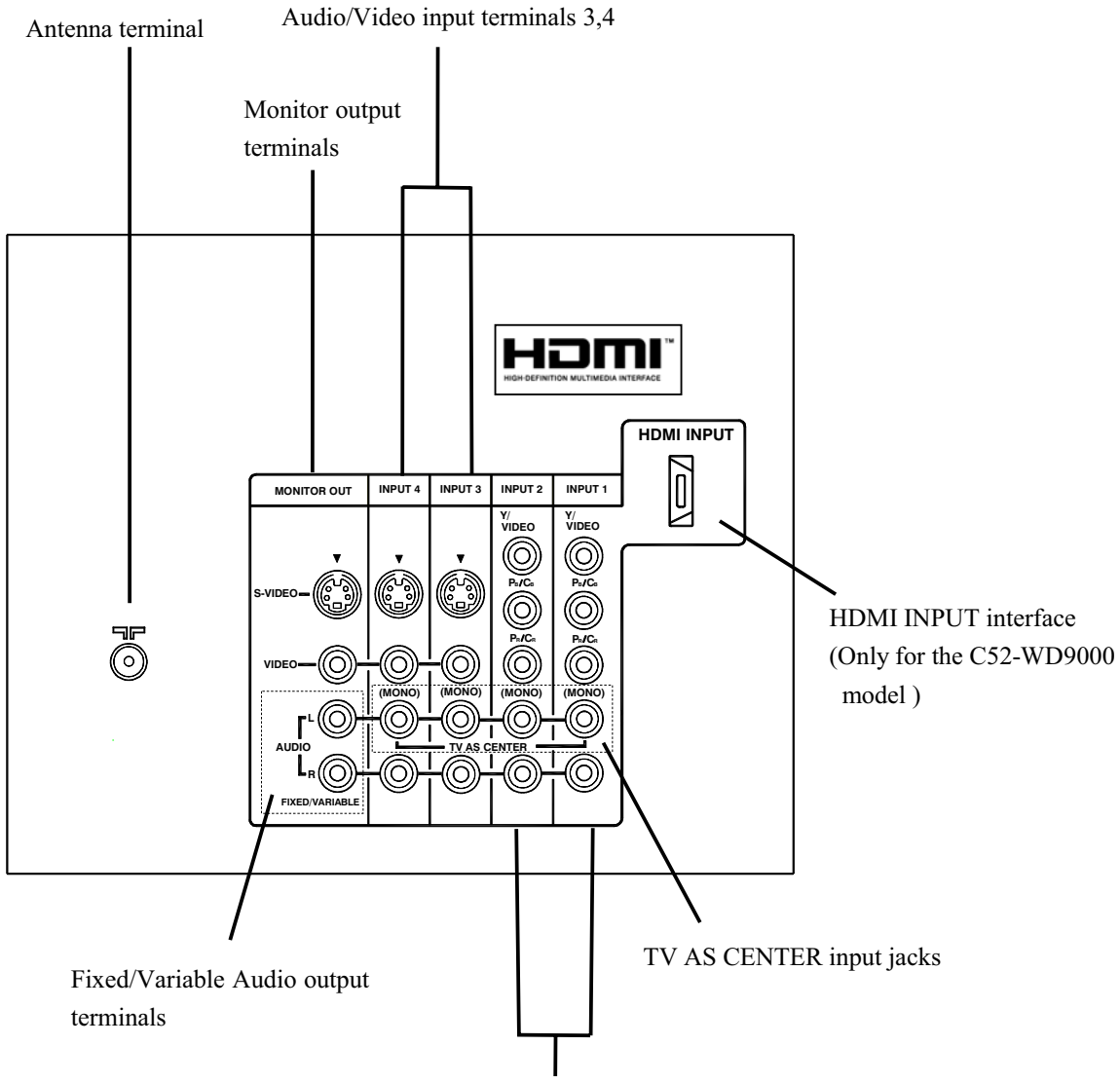
(The control panel and side panel shown as below is designed for the C52-WD9000 model.)



Note: Before using these input jacks, please refer to the INSTRUCTION MANUAL on page 48.

FUNCTIONAL PARTS

Rear panel



Note:

1. Before using these rear panel jacks, please refer to the INSTRUCTION MANUAL on page 49-52.
2. The C43-FL9000 model does not have HDMI INPUT interface.

FUNCTIONAL PARTS

On the remote control unit

POWER button (Page 13)

AV NET button
(Not applicable for these models)

TELETEXT buttons
AV direct select buttons (AV1~AV5)

MULTI PICTURE buttons
(Page 33-37)

Program selector buttons

Program up button
Page up button
(In TELETEXT mode)
(In CH SURF 12 mode)

Program down button
Page down button
(In TELETEXT mode)
(In CH SURF 12 mode)

MENU button (Page 14)

RETURN button
(Page 14)

See the remark.

RECALL button

CH SURF button
(Page 38,39)

MUTE button
(Page 46)

TV/VIDEO selector button
(Page 46)

Stereo/Mono/
Bilingual (I/II) button
(Page 46)

PICTURE mode button
(Page 45)

AUDIO mode button
(Page 45)

P.SIZE button
(Page 41-44)

DVD buttons (Page 45)

*Note: For selected brands of
DVD player only.

FREEZE button
(Page 33, 35, 39)

Remark:

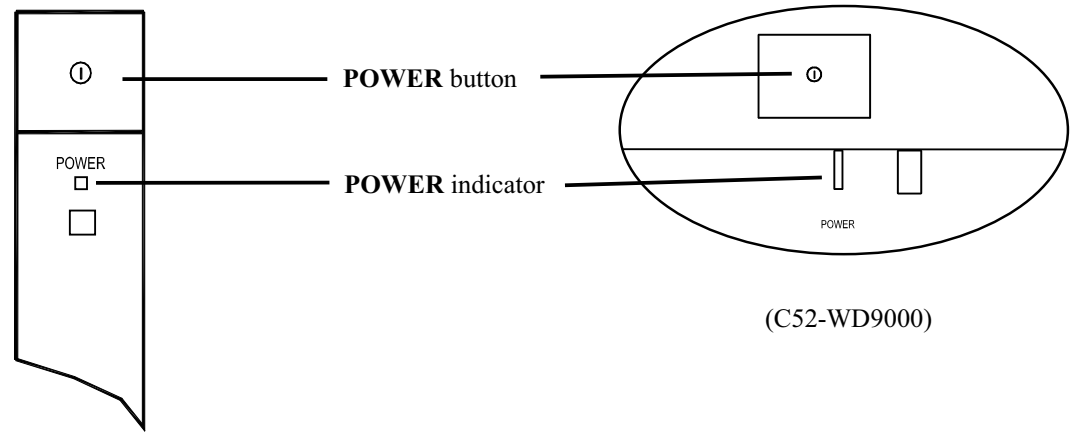
The **ENTER** button is used to set or confirm MENU, please see page 14 for details. The ▲P+ ▼P- ◀ ▶ buttons are used as up, down, left and right cursor buttons. Alternatively, ▲P+ / ▼P- can be used as program up and down buttons and ◀ / ▶ as volume down and up buttons. The characters "▲ ▼ ◀ ▶ cursor" shown in this instruction manual will be referring to the ▲P+ ▼P- ◀ ▶ buttons.

GETTING STARTED

Power on/off

TO TURN ON THE POWER

Press the **POWER** button on the TV set. The power indicator will light up to indicate that the power is on.



(C52-WD9000)

(C43-FL9000)

WHEN THE SET IS AT STANDBY

The TV will be in standby mode and the blue power indicator becomes dimmer if the TV set is turned off using the ⏻ button on the remote control unit. This indicates that the TV is not powered off completely and is in low power consumption mode, waiting for your new command at anytime.

You can turn on the TV set using the ⏻ button on the remote control unit. The picture will appear in a few seconds. You can also press the **PROG ▲/ PROG▼**buttons on the side panel to turn it on.

TO TURN OFF THE POWER

Press the **POWER** button on the TV set to turn off it. The power indicator will go off.

CAUTION: If you are not going to use this set for a long time, turn off the set using the POWER button on the TV set and disconnect the plug from the power outlet.

GETTING STARTED

Instructions for operating menu

- Before watching the TV, please familiarize yourself with this method to use the menu function of this TV.
- Instructions in this manual are based on using the remote control unit. The words or symbols with frames refer to the buttons on the remote control unit.
- The Chinese characters on the TV screen are supplied by Rico Company. The logos and symbols used in this instruction manual are intended for explanation purposes, they might differ from those shown on the TV.

1. **Menu:** After the power is on, press the **MENU** button to enter the menu screen which shows a list of optional main adjustment items, such as **Picture**, **Audio**, **Timer**, etc.
2. **Adjustment items:** After a main adjustment item is "selected" and "entered", the screen will enter into the selection and show a list of related optional sub-adjustment items. After a sub-adjustment item is "selected" and "entered", it may enter the next stage of sub-menu display until the last stage of the adjustment item is entered. When an adjustment item is selected, the characters of the adjustment item will be highlighted and usually accompanied with a ► mark.

Common symbols in menu display

	Symbols	Description
1	Select	This symbol is displayed at the bottom of the menu, indicating that you can select the adjustment item on the menu by pressing the ▲ or ▼ cursor buttons on the remote control unit.
2	ENTER Set	This symbol is displayed at the bottom of the menu, indicating that you can enter the adjustment item highlighted by pressing the **ENTER** button on the remote control unit.
3	Set	This symbol is displayed at the bottom of the menu, indicating that you can adjust the selected item by pressing the ◄ or ► cursor buttons on the remote control unit.
4	⓪-⑨ Set	This symbol is displayed at the bottom of the menu, indicating that you can enter the number you desired when pressing the number buttons (**0** – **9**) on the remote control unit.
5	Reset	The characters **Reset** is displayed in the menu, indicating that you can return the current menu setting to the factory default setting by pressing the **ENTER** button on the remote control unit.
6	RETURN Return	This symbol is displayed on the menu, indicating that you can return to the previous page by pressing the **RETURN** button on the remote control unit.

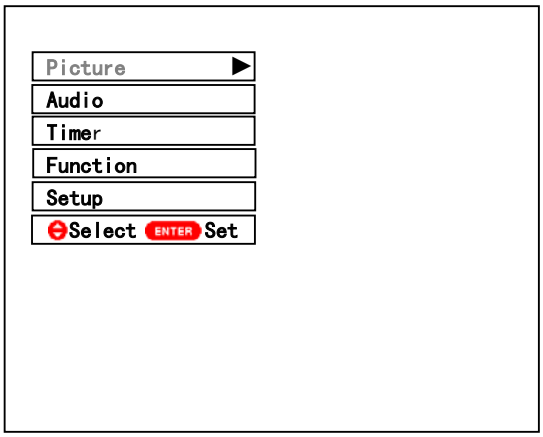
3. You can stop and exit from the menu operation by pressing the **MENU** button anytime. If there is no operation in the menu after some times, it will automatically exit from the menu screen.
4. If the item in the menu is shown in grey, it means that it cannot be adjusted.

GETTING STARTED

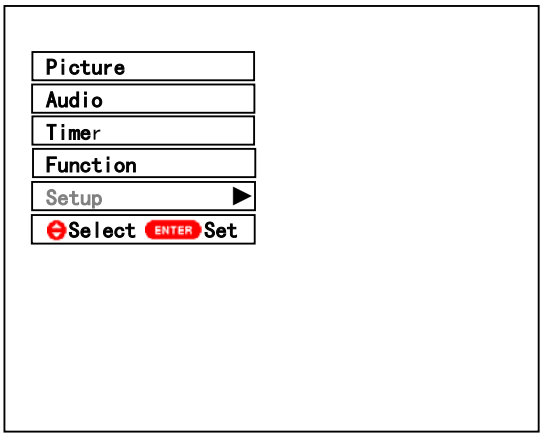
Selecting the on-screen display language

You can choose from two different languages (Chinese and English) for the on-screen displays. When necessary, you may change the displayed language following the procedures below.

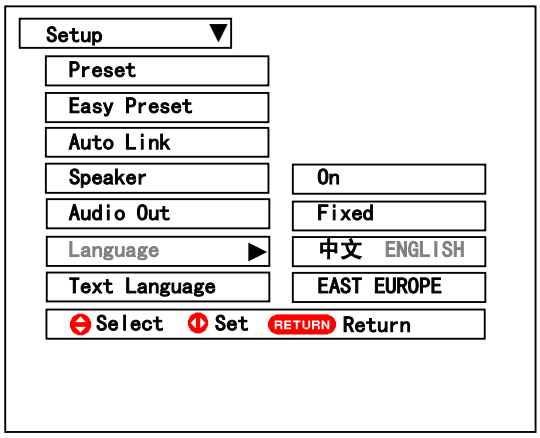
1 Press the **MENU** button to display menu as shown on the right.



2 Press the ▲ ▼ cursor buttons to select the **Setup** option as shown on the right.



3 Press the **ENTER** button to enter the **Setup** menu.
Press the ▲ ▼ cursor buttons to select the **Language** option (shown on the right), then press the ◀ ▶ cursor buttons to select the desired language: **中文**(CHINESE) or **ENGLISH**.



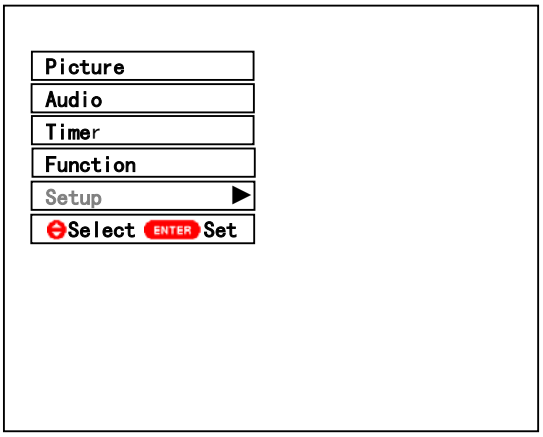
4 Press the **RETURN** button to return to the previous screen, or press the **MENU** button to quit.

GETTING STARTED

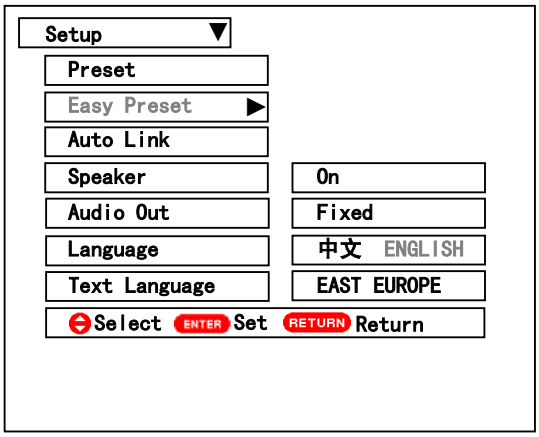
Easy Preset

It becomes convenient for the customers to program the TV using the remote control unit and detailed OSD of the TV set. Please follow the procedures below to start tuning.

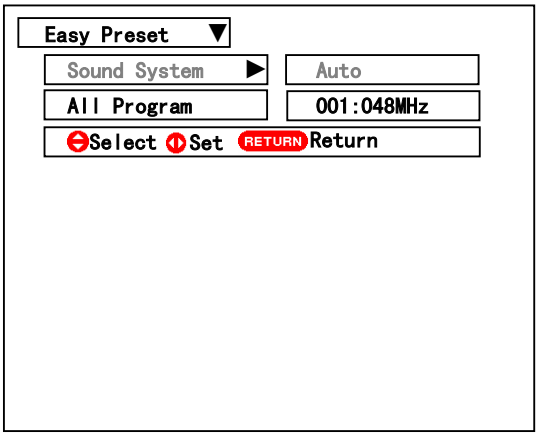
1 Press the **MENU** button to display menu. Press the ▲ ▼ cursor buttons to select the **Setup** option.



2 Press the **ENTER** button to enter the **Setup** menu.
Press the ▲ ▼ cursor buttons to select the **Easy Preset** option.



3 Press the **ENTER** button to enter the **Easy Preset** menu.
Press the ▲ ▼ cursor buttons to select the **Sound System** option, then press the ◀ ▶ cursor buttons to select the required sound system in your area or set it to the **Auto** mode (shown on the right).
Now press the ▲ ▼ cursor buttons to select the **All Program** option, then press the **ENTER** button to begin the auto tune procedure. The character **Searching** appears at the bottom of menu, and the TV will begin the auto search procedure and store all signals available in the area or CATV.
You can interrupt it by pressing the **ENTER** button in the process of searching.



The set will exit menu display mode automatically after searching is finished.

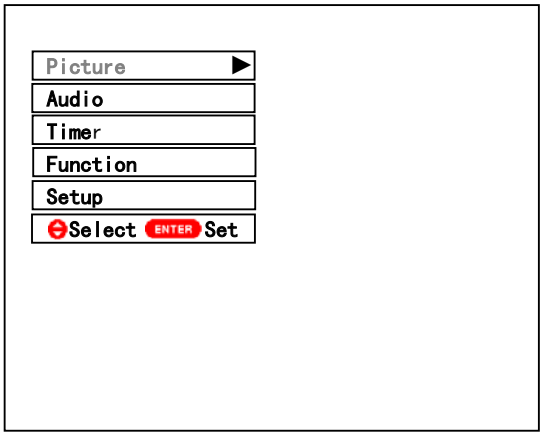
Notes: (1) If you want to arrange the programs obtained by **All Program**, please refer to the **Tuning** section on page 23.
(2) If your equipment (such as VCR, GAME MACHINE) only has RF output, connect it with RF cable into the antenna input of the TV set, and refer to the **Tuning** section on page 23 for presetting.
(3) When you are in video mode (AV1, AV2, etc.), accessing the **Easy Preset** menu will enable the TV to switch to RF mode automatically. This is normal.

ON-SCREEN DISPLAY MENU【PICTURE MENU】

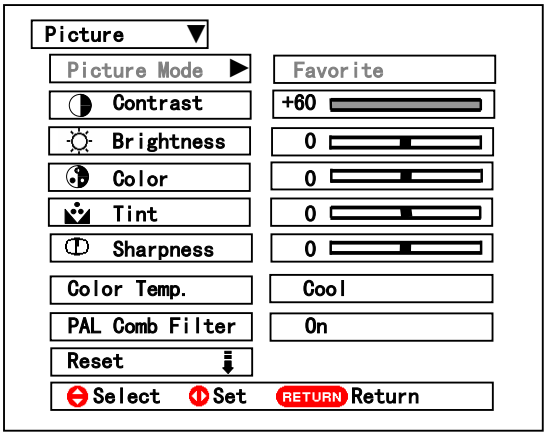
Picture Menu

Picture menu allows you to adjust various picture settings such as brightness, color, contrast and sharpness. You can also adjust the settings for color temperature, dynamic contrast, etc. Please follow the steps below.

1 Press the **MENU** button to display menu.
Press the ▲ ▼ cursor buttons to select the **Picture** option as shown on the right.



2 Press the **ENTER** button to display the **Picture** menu as shown on the right.
This is the first page in the **Picture** menu, providing 4 different picture modes (**Dynamic**, **Natural**, **Theater**, **Favorite**). Press the ◀ ▶ cursor buttons to select. We suggest that you try every item to obtain the desired picture effect.
To set the picture effect you desired, press the ▲ ▼ cursor buttons to select the item to be adjusted, and then press the ◀ ▶ cursor buttons to adjust.



Notes:

（1）Press the **PICTURE** button on the remote control unit, you can switch among the above four picture modes easily.

（2）Only when receiving NTSC signals or Y, PB/CB, PR/CR inputs or HDMI INPUT interface, the **Tint** option can be adjusted.（The C43-FL9000 does not have HDMI INPUT interface.）

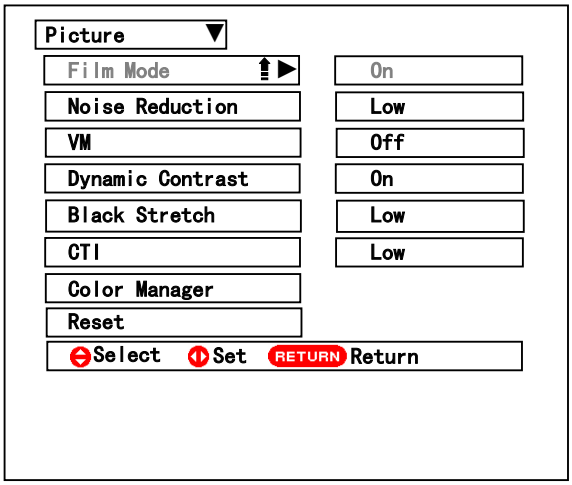
（3）Only when receiving PAL system, the **PAL Comb Filter** option can be set to **On** or **Off**; when receiving other systems, the comb filter is automatically set.

（4）If the **Reset** option is selected and confirmed by pressing the **ENTER** button, the current setting on the menu will return to the factory setting.

（5）For **AV1～AV5** inputs, different picture modes can be set individually.

ON-SCREEN DISPLAY MENU【PICTURE MENU】

3 Press the ▼ cursor button until the second page in the **Picture** menu appears as shown on the right. These settings allow you to enhance or improve the visual condition of the picture.



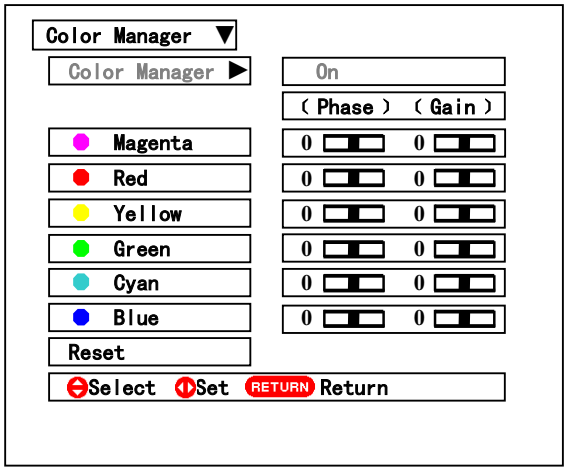
Notes:（1）If **Noise Reduction** is set to **High** or **Low**，the **Sharpness** option cannot be adjusted.

（2）While **Film Mode** is on, your projection TV will activate the circuitry for special feature to improve the video performance when viewing film based sources.

（3）When **HD** or **Progressive** signals are input，**Film Mode** option cannot be adjusted.

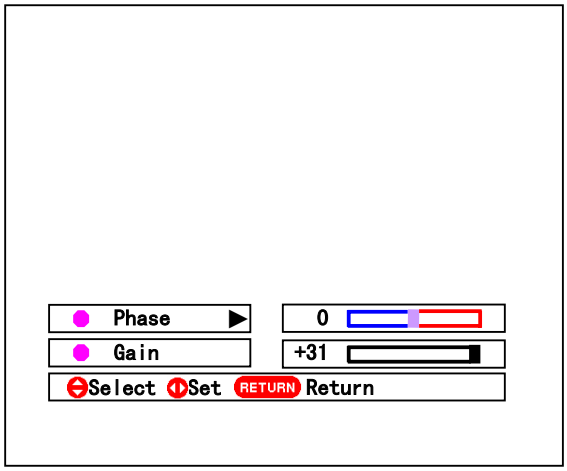
4 Repeatedly press the ▼ cursor button as shown on the top right to select the **Color Manager** option, then press the ▶ cursor button to display the menu as shown on the right.

When the **Color Manager** option shown on the right is set to **On**, you can adjust and balance their individual color for your personal preference to obtain the deeper and purer color effect.



If the option of **Reset** was selected and press the **ENTER** button, the **Color Manager** menu will return to factory default setting.

Each color in the menu provides two options (Phase and Gain). Press the ▲ ▼ cursor buttons to select the adjustment item, and then press the ◀ ▶ cursor buttons to adjust.

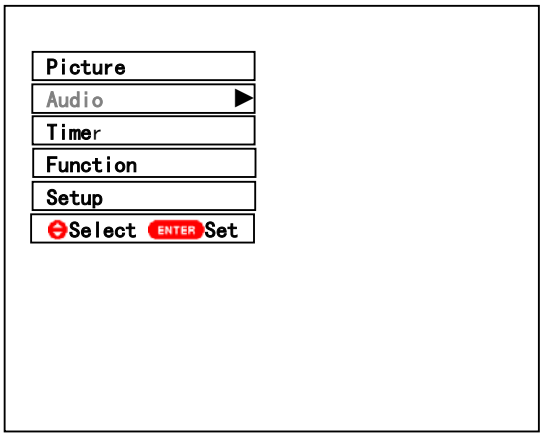


ON-SCREEN DISPLAY MENU【AUDIO MENU】

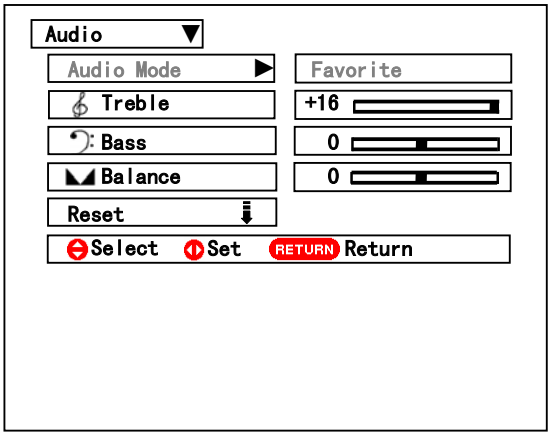
Audio Menu

Audio menu allows you to adjust various sounds settings such as treble, bass and balance. You can also adjust the settings for surround effect etc. Please follow the steps below.

1 Press the **MENU** button to display menu.
Press the ▲ ▼ cursor buttons to select the **Audio** option as shown on the right.

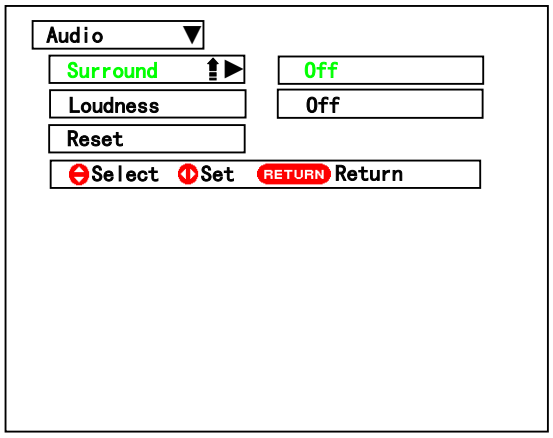


2 Press the **ENTER** button to display the **Audio** menu as shown on the right.
This is the first page in the **Audio** menu, providing 4 different audio modes (**Theater, Music, Narration** and **Favorite**). Press the ◀ ▶ cursor buttons to select. We suggest that you try every item to obtain the desired sound effect.
To set the sound effect you desired, press the ▲ ▼ cursor buttons to select the item to be adjusted, then press the ◀ ▶ cursor buttons to adjust.
During the process of adjustment, the indicator will move left or right, allowing you to know the state of adjustment.



Note:
Press the **AUDIO** button on the remote control unit, you can switch among the above four audio modes easily.

3 Press the ▼ cursor button until the second page in the **Audio** menu appears as shown on the right. These settings allow you to enhance or improve the sound effect.

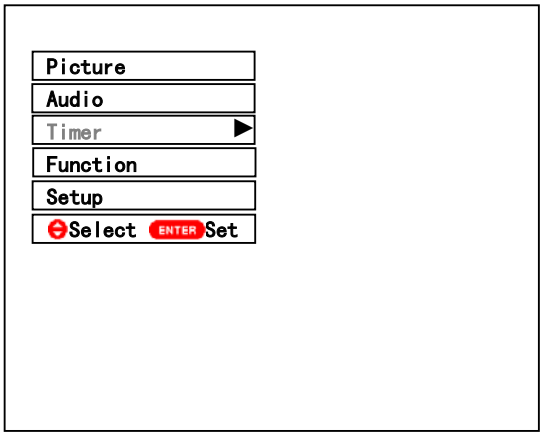


ON-SCREEN DISPLAY MENU【TIMER MENU】

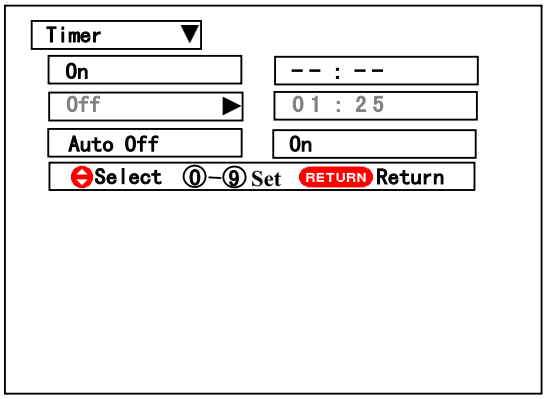
Timer Menu

The **Timer** function for this TV uses a countdown timer system. It features **On Timer**, **Off Timer** and **Auto Off**.

1 Press the **MENU** button to display the menu.
Press the ▲ ▼ cursor buttons to select the **Timer** option as shown on the right.



2 Press the **ENTER** button to enter the **Timer** menu as shown on the right.
The adjustment items are shown below:



Off Timer

Example: To turn off after 1 hour and 25 minutes.
Press the ▲ ▼ cursor buttons to select the **Off** option. Press number buttons to enter the specified amount of time (the maximum time is 23:59), input the hour, then input the minute, i.e.01:25 (shown on the right). Timer starts countdown after quitting the **Timer** menu. After 1 hour and 25 minutes, the TV will go into standby mode.

Note: As a precautionary measure, after setting **Off Timer**, if the power is turned off or power supply is cut off accidentally before the set time elapses, the TV will be in standby mode when you restart the TV.

On Timer

The setting of **On Timer** is similar to that of **Off Timer**. After **On Timer** is set, please turn off the TV by pressing the ⏻ button on the remote control unit to start the countdown, the power indicator on the front of the TV will be blinking. This is normal. The power is turned on when the set time has elapsed.

Notes: 1) If turning off the power using the **POWER** button on the front panel, **On Timer** will not work.
2) If the power is turned off by pressing the **POWER** button on the front panel before the set time elapses or the power supply is cut off accidentally, the TV will be in standby mode when you restart the TV.
3) As a precautionary measure, if there is no operation for 2 hours after the power is turned on by the **On Timer** function, the TV will go into standby mode automatically.

Auto Off

If **Auto Off** is set to **On** and there is no more broadcasting transmission (i.e. no signal is detected), the TV will go into standby mode automatically after 60 minutes. If **Auto Off** is set to **Off**, this function will be cancelled.

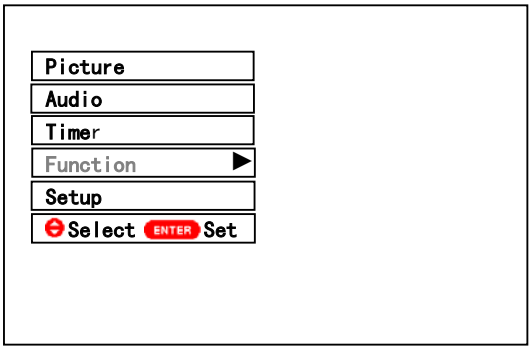
Notes: 1) **Auto Off** is only valid if no signal transmission is received from the antenna terminals.
2) If Within 60 minutes after no signal is detected, switching TV to any channel with signal will cancel the **Auto Off** function.

ON-SCREEN DISPLAY MENU【FUNCTION MENU】

Function Menu

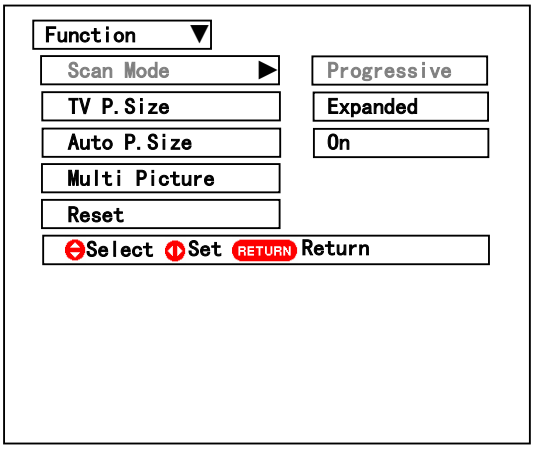
Function menu allows you to select scan mode, multi picture mode etc. Please follow the steps below.

1 Press the MENU button to display the menu.
Press the ▲ ▼ cursor buttons to select the **Function** option as shown on the right.



2 Press the ENTER button to enter the **Function** menu.
Press the ▲ ▼ cursor buttons to select the **Scan Mode** option as shown on the right.

Note: The menu of the C43-FL9000 model as shown on the right does not include the **TV P.Size** option and the **Auto P.Size** option.



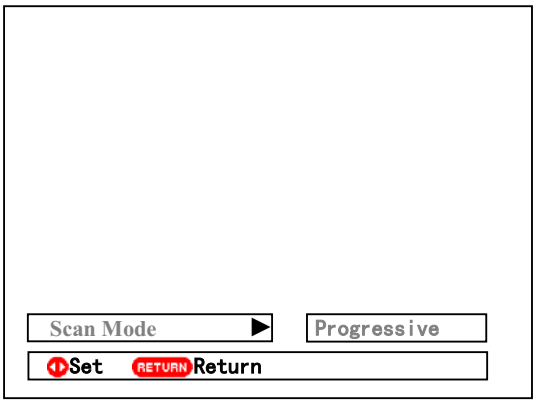
3 Press the ENTER button to enter the **Scan Mode** menu as shown on the right.
You can press the ◀ ▶ cursor buttons to select different scan modes to improve picture effect.

（1）For **PAL** or **SECAM** system，you can select scan mode from **100Hz,Virtual HD** or **Progressive**.

（2）For **NTSC** system, you can select scan mode from **Virtual HD** or **Progressive**.

（3）When the input signal format is **480p** signal, the scan mode setting will be fixed at **Progressive**.

（4）When the input signal format is **576p** signal, you can select scan mode from **100Hz** or **Progressive**. The **100Hz** mode can eliminate flicker.

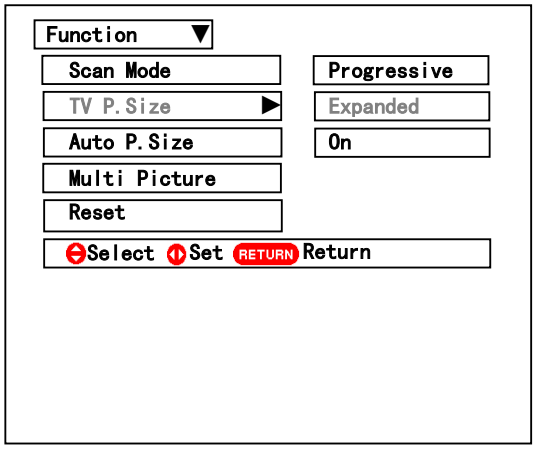


（5）When the input signal format is **1080i/60** or **720p/60** HD signal, the scan mode setting will be fixed at **HD**.

（6）When the input signal format is **1080i/50** HD signal, you can select scan mode between **100Hz** or **HD.** The **100Hz** mode can eliminate flicker.

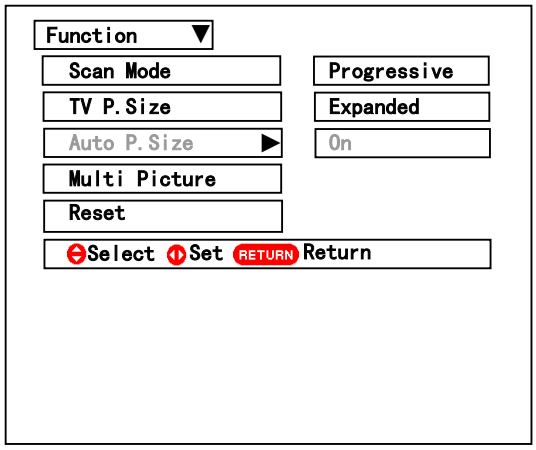
ON-SCREEN DISPLAY MENU【FUNCTION MENU】

4 Follow the steps on page 21 to enter the **Function** menu and select the **TV P.Size** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **TV P.Size** option to **Expanded**, **4:3** or **16:9** mode.



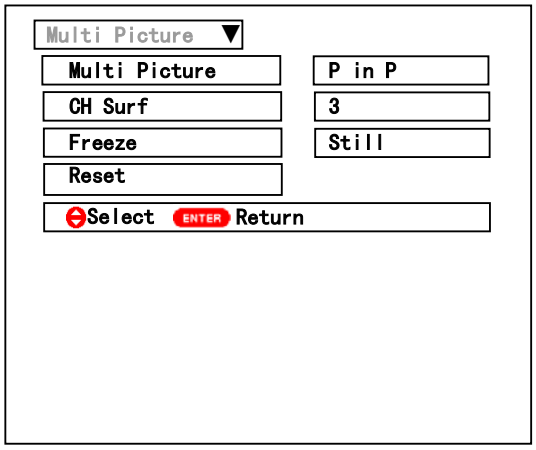
Note: 1. Please refer to page 42-43 for information on this function.
2. The C43-FL9000 model does not have this function.

5 Follow the steps on page 21 to enter the **Function** menu and select the **Auto P.Size** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **Auto P.Size** option to **On** or **Off**.



Note: 1.Please refer to page 44 for information on this function.
2.The C43-FL9000 model does not have this function.

6 Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then press the ▶ cursor button to enter **Multi Picture** menu as shown on the right.

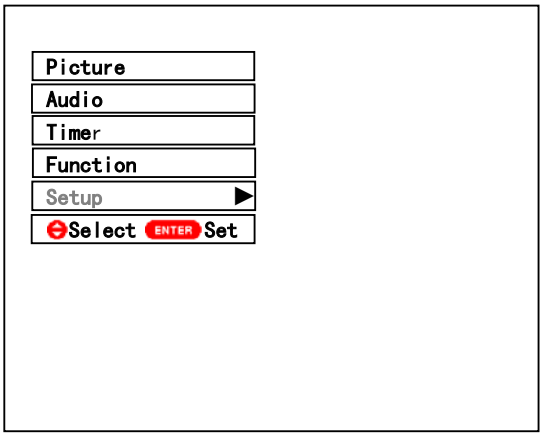


Note: Please refer to page 33-39 for information on this function.

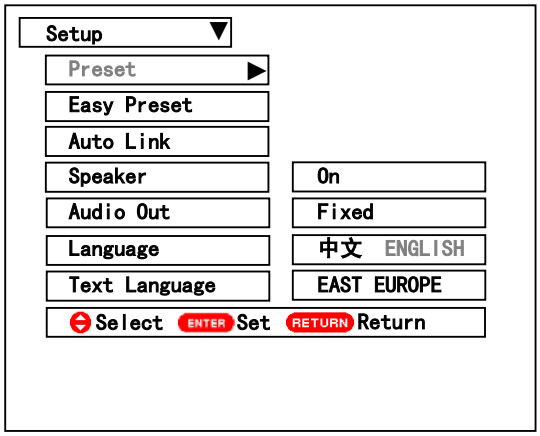
ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset: Tuning】 You can perform search, skip, color system, sound system, program name,etc. on the **Tuning** menu. When the **Easy Preset** tuning is not desirable, you can adopt the following method to select programs.

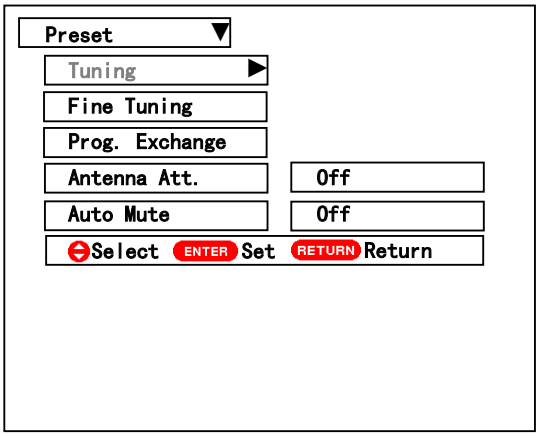
1 Press the **MENU** button to display menu.
Press the ▲ ▼ cursor buttons to select the **Setup** option as shown on the right.



2 Press the **ENTER** button to enter the **Setup** menu.
Press the ▼ cursor button to select the **Preset** option as shown on the right.

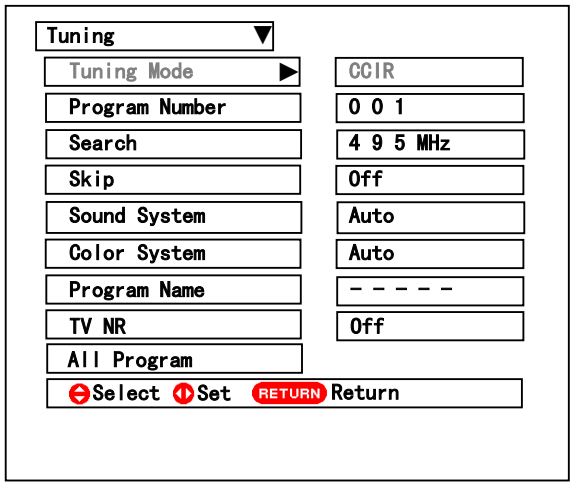


3 Press the **ENTER** button to enter the **Preset** menu.
Press the ▼ cursor buttons to select the **Tuning** option as shown on the right.



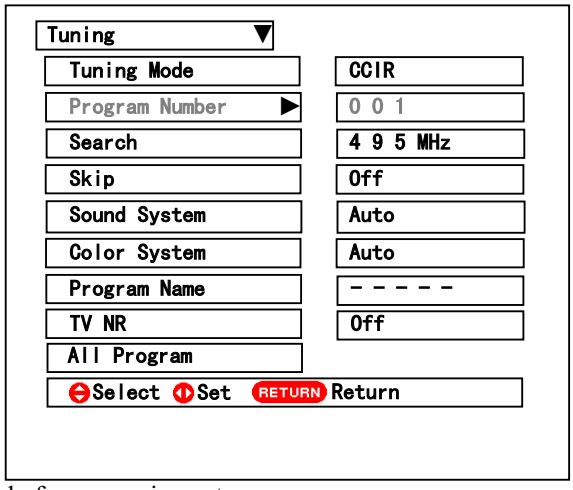
ON-SCREEN DISPLAY MENU【SETUP MENU】

4 Press the **ENTER** button to enter the **Tuning** menu as shown on the right.
Press the ▲ ▼ cursor buttons to select **Tuning Mode**. Select the channel receiving mode in your region using the ◀ ▶ cursor buttons. For example, in Singapore, please select **CCIR** on the menu.



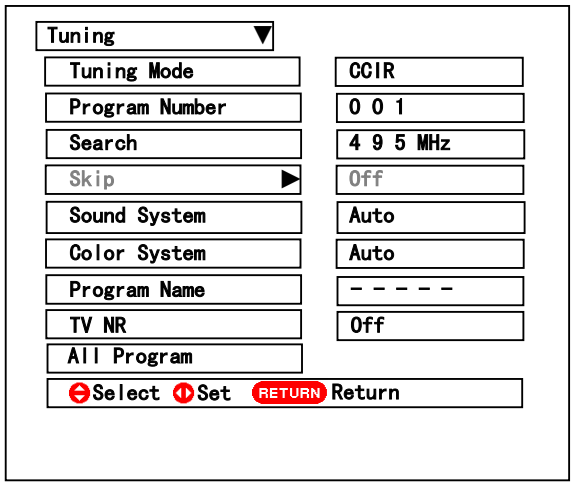
Note:
If without **CCIR** and **China**, you can select **Freq.** to tune.

5 Press the ▲ ▼ cursor buttons to select the **Program Number** option as shown on the right.
Choose a particular program number by pressing the ◀ ▶ cursor buttons or directly enter the program number buttons, for example,001,002……199,etc.Then press the ▼ cursor button to select the **Search** option. Press the ▶ or ◀ cursor button, the TV will begin searching automatically forward (high frequency) or backward (low frequency) until adjacent broadcast is found. You can continue to press the ◀ or ▶ cursor button to search the channel until the desired channel is available.
In this way, you can manually select the desired program easily. Also, you can receive programs from RF output terminal of some equipment.



In addition, you can receive AV program using a particular **Program Number**. Select the **Search** option and press the **TV/VIDEO** button on the remote control unit to select AV1, AV2, etc. If you do not want to preset AV program, please press the **ENTER** button on the remote control unit to quit the AV program setting.

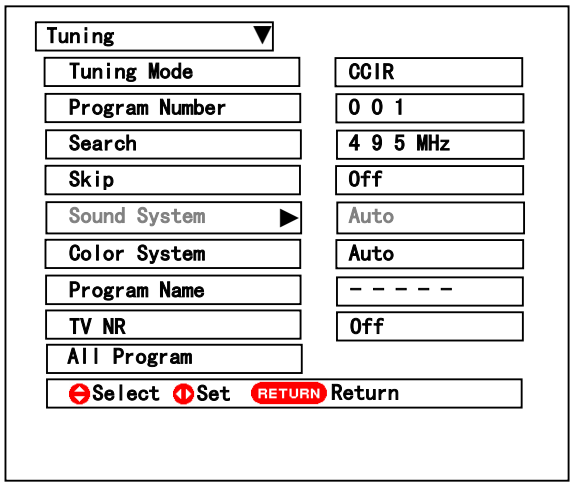
6 Select **Skip** using the ▲ ▼ cursor buttons as shown on the right. The **Skip** option in the menu allows you to skip those programs you do not like, for example, some repeated programs or programs with weak signal, etc. When **Skip** option is set to **On** using the ◀ ▶ cursor buttons, it will skip these programs automatically if you are to select the channels by the **Program up/down** buttons.
Skipped program numbers can still be selected by entering the respective number buttons.
You can access the menu to reset the **Skip** option.



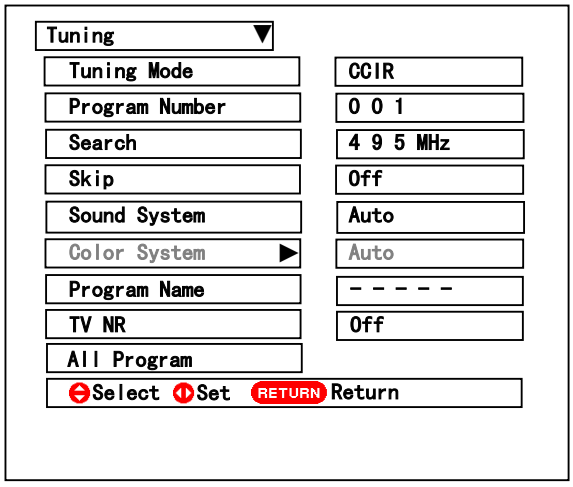
ON-SCREEN DISPLAY MENU【SETUP MENU】

7 The **Sound System** option in the **Tuning** menu allows you to select between various sound systems i.e. **Auto**, **4.5**, **5.5**, **6.0** or **6.5** (**Note:** Here the unit **MHz** is omitted.).
Press the ▲ ▼ cursor buttons to select the **Sound System** option，then press the ◀ ▶ cursor buttons to select the desired sound systems as shown on the right.
Auto is recommended, as this will automatically determine what system is being broadcast.

Note: This option is valid only for RF signal from antenna.

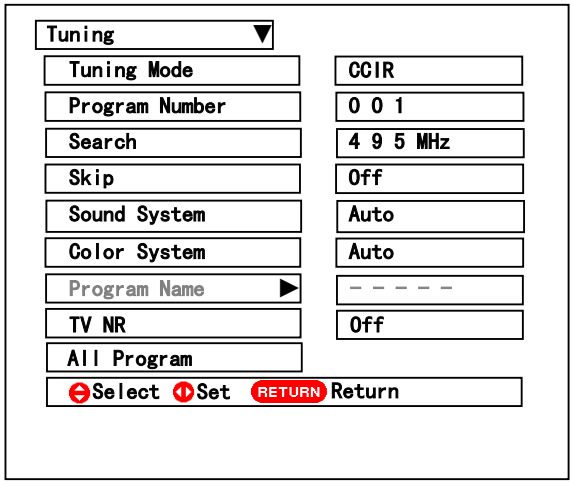


8 The **Color System** option in the **Tuning** menu allows you to select different color systems i.e. **Auto**, **PAL**, **SECAM, NTSC4.43** or **NTSC3.58**.
Press the ▲ ▼ cursor buttons to select the **Color System** option, then press the ◀ ▶ cursor buttons to select the desired color systems as shown on the right.
Auto is recommended, as this will automatically determine what system is being broadcast. However, some weak broadcast signals might cause incorrect judgment by the TV and it may become necessary to allocate a particular system to that program number.



Note: Please set **Color System** to **Auto** when receiving signal without color burst.

9 **Program Name** in the **Tuning** menu allows you to assign a name for each channel. The detail steps are shown below:
Press the ▲ ▼ cursor buttons to select the **Program Name** option**,** then press the ▶ cursor button to select the letter to be changed from the left to right. When the letter is selected, press the ▲ ▼ cursor buttons to select the desired letter.
When you select a channel that has been named, the channel No., name and other information will appear on the top right corner of the screen. Also, you can press the **RECALL** button to display the same information.



Notes:

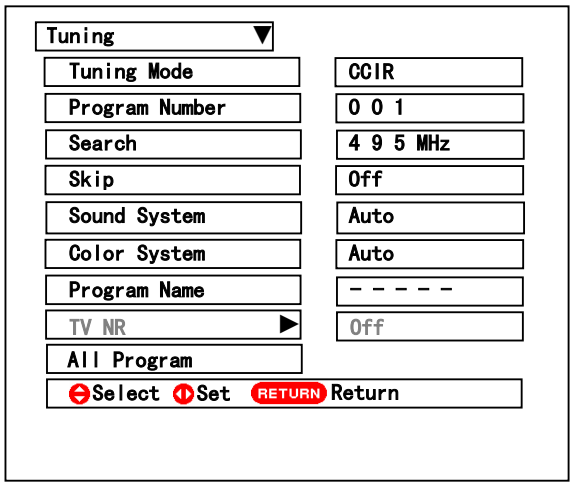
(1) The letters above include 39 letters such as *, －, SPACE, 0-9, A-Z, etc.
(2) When [- - - - -] appears in the **Program Name**, this implies that the channel is not named.
(3) Try to avoid using all spaces to name the program.

10 If the picture is noisy due to weak RF signals from some channels, you can reduce noise by using **TV NR** function.

Press the ▲ ▼ cursor buttons to select the **TV NR** option and then press the ◀ ▶ cursor buttons to select **Off**, **Low** and **High** to turn off noise reduction function, activate low noise reduction and high noise reduction respectively.

Different channels can be set independently.

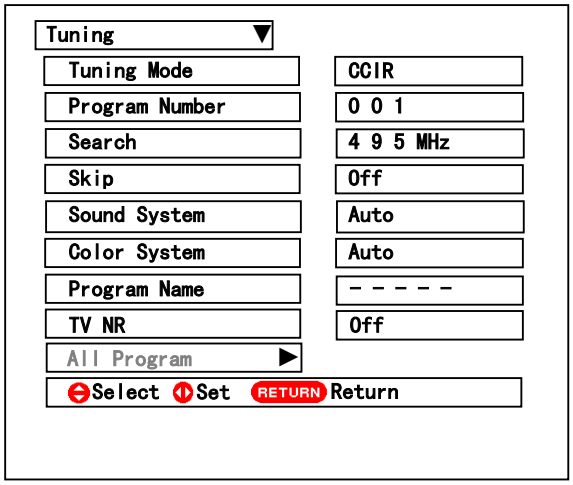
Note: This option is valid only for RF signal from antenna.



11 **All Program** in **Tuning** menu can automatically search all available frequencies and store all stations available to the program numbers starting from the current program No.

Press the ▲ ▼ cursor buttons to select the **Program Number** option on the menu, press the ◀ ▶ cursor buttons or number buttons to select program No.

Press the ▲ ▼ cursor buttons to select the **All Program** option as shown on the right. Then press the **ENTER** button to begin the auto tune procedure. The word **Searching** will appear at the bottom of the menu, and the TV will search for all frequencies and store all tuned frequencies to the program numbers starting from the **Program Number** selected.



In the process of searching, press the **ENTER** button to quit.

After complete the searching, the TV will quit the menu automatically.

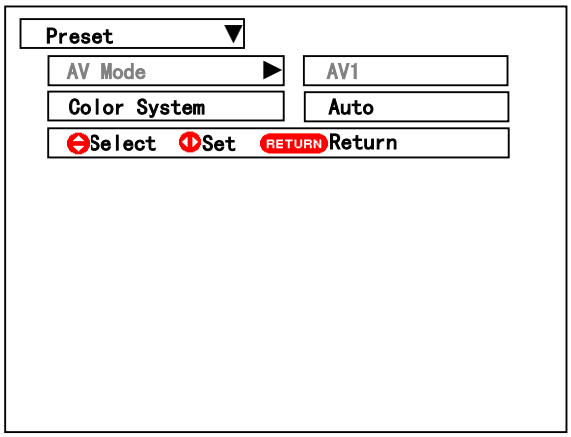
AV PRESETTING

Press the **TV/VIDEO** button to switch the picture to the AV mode.

Enter the **Preset** menu to display the menu as shown on the right. Press the ▲ ▼ cursor buttons to select the **AV Mode** option and the ◀ ▶ cursor buttons or the **TV/VIDEO** button to select **AV1**, **AV2**, **AV3**, **AV4** or **AV5**.

Press the ▲ ▼ cursor buttons to select the **Color System** option, then press ◀ ▶ cursor buttons to select **Auto**, **PAL**, **SECAM**, **NTSC4.43** or **NTSC3.58.**

If the picture in AV mode is abnormal resulted from incorrect color system, you can use the **Color System** option to select the correct system.

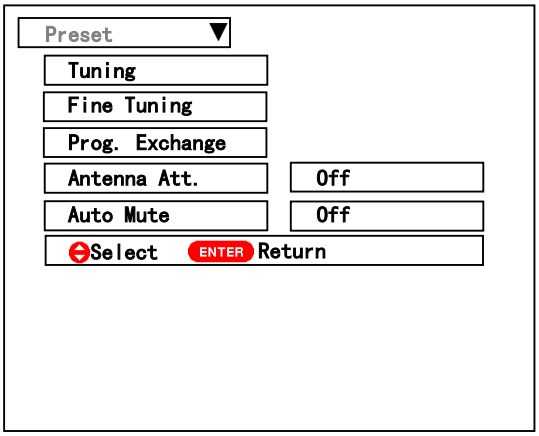


When receiving component signal (Y, P_B/C_B, P_R/C_R) from **INPUT1** (or HDMI INPUT interface) or **INPUT2** terminal, though the **Color System** option can be set, it has no effect on the picture. This is normal. (The C43-FL9000 model does not have HDMI INPUT interface.)

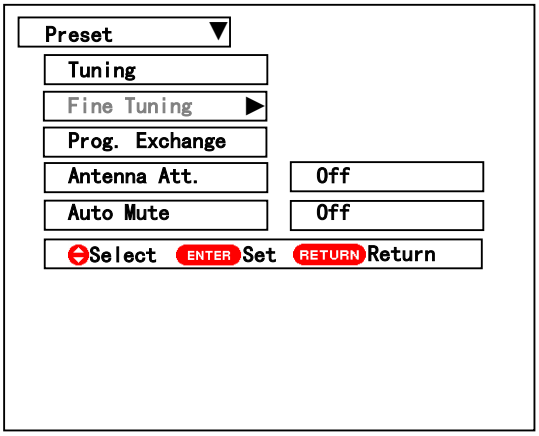
ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset： Fine Tuning】 It is unnecessary to fine tune in normal receiving condition. However, fine tuning is required in some areas where the broadcasting signals are weak. Please follow the steps as shown below.

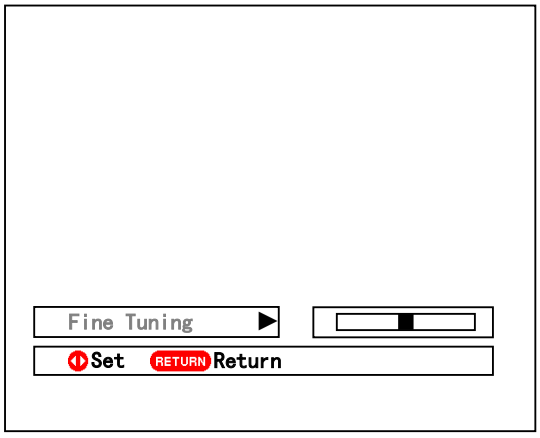
1 Follow the steps on page 23 to enter the **Preset** menu as shown on the right.



2 Press the ▲ ▼ cursor buttons to select the **Fine Tuning** option as shown on the right.



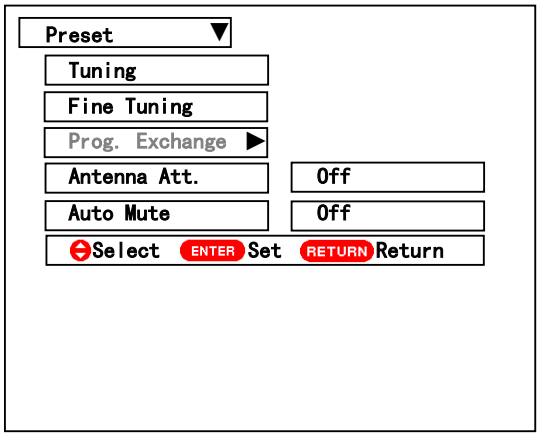
3 The Fine tuning adjustment bar is shown on the screen as shown on the right by pressing the **ENTER** button. Then press the ◀ ▶ cursor buttons to fine tune for desired picture condition.



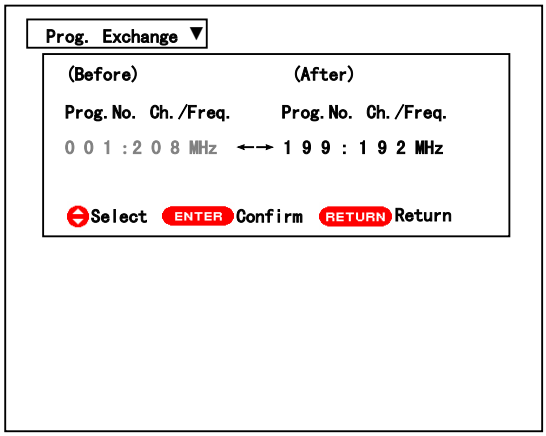
ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset: Prog.Exchange】 The menu allows you to set the program to your desired channel position. Please follow the steps below.

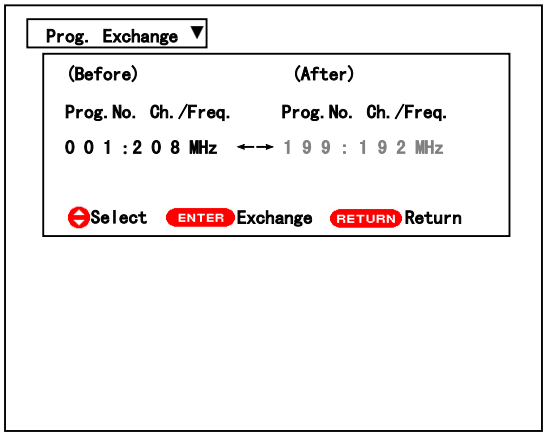
1 Follow the steps on page 23 to enter the **Preset** menu, then select the **Prog. Exchange** option as shown on the right.



2 Press the **ENTER** button to display the **Prog. Exchange** menu as shown on the right.
Select the **Prog.No.** option to be exchanged (left side of arrow shows green), press the ▲ ▼ cursor buttons to select program No. **001** as shown on the right.



3 Press the **ENTER** button to select the other **Prog.No.** (right side of arrow shows green) and press the ▲ ▼ cursor buttons to select the program No. desired to be exchanged (No.**199**) as shown on the right. Then press the **ENTER** button to carry out the exchange.

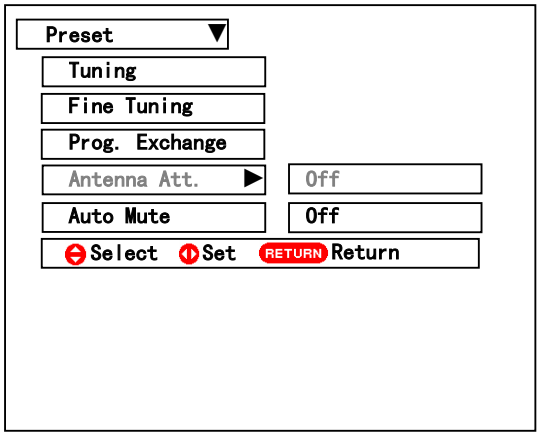


ON-SCREEN DISPLAY MENU【SETUP MENU】

【Preset： Antenna Att.】 In some cases, the quality of picture may be impaired due to strong RF signal from the antenna terminal. You can set the antenna attenuation to prevent such problem. Please follow the steps below.

Follow the steps on page 23 to enter the **Preset** menu, then select the **Antenna Att.** option as shown on the right.

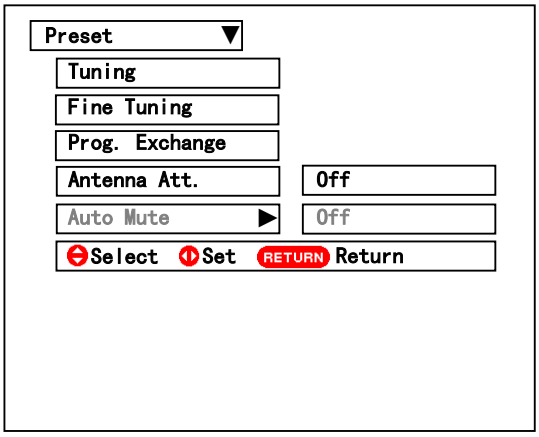
Press the ◀ ▶ cursor buttons to set the **Antenna Att.** option **On** or **Off** to turn on or off the **Antenna Att.** function.



【Preset： Auto Mute】 If **Auto Mute** is **On**, the noise from TV will be controlled when there is no signal transmission from the antenna terminal.

Follow the steps on page 23 to enter the **Preset** menu**,** then select the **Auto Mute** option as shown on the right.

Press the ◀ ▶ cursor buttons to set the **Auto Mute** option **On** or **Off** to turn on or off the **Auto Mute** function.



【Easy Preset】 Refer to page 16.

ON-SCREEN DISPLAY MENU【SETUP MENU】

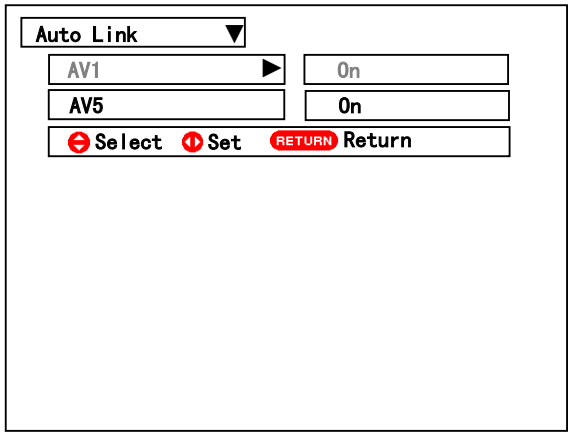
【Auto Link】

Use this function to automatically switch on the TV and switch it to **AV1** or **AV5** mode when it detects a video signal from **INPUT1** (or Y signal or HDMI INPUT interface) or **INPUT5** (or S-VIDEO signal) terminal of the TV. It provides you ease when using with your external equipment. (The C43-FL9000 model does not have HDMI INPUT interface.)

Connect external equipment to **INPUT1** or **INPUT5** terminal of the TV. Refer to CONNECTION WITH OTHER EQUIPMENT on page 48-51 for more information.

Follow the steps on page 23 to enter the **Setup** menu and select the **Auto Link** option. Enter the **Auto Link** menu as shown below. Press the ▲ ▼ cursor buttons to select **AV1** or **AV5.** Then press the ◀ ▶ cursor buttons to set **AV1** or **AV5** to **On, Auto Link** function for the respective inputs will be activated.

(1)If you switch on the power of the external equipment connected to **INPUT1** or **INPUT5** terminal of the TV when its power is on, and there is an output signal from these external equipment, **Auto Link** function will automatically switch the TV from the TV channel or any other AV modes to **AV1** or **AV5** mode accordingly.



(2)If you switch on the power of the external equipment connected to **INPUT1** or **INPUT5** terminal of the TV when it is at standby mode, and there is an output signal from these external equipment. **Auto Link** function will automatically switch on the TV and switch to **AV1** or **AV5** automatically. The set will turn to standby mode automatically from the time when there is no operation on the set for a long time.

Note:

When the HDMI INPUT interface has been connected and the TV is in standby. If you switch on the power of the HDMI equipment, the TV keep in standby. (The C43-FL9000 model does not have HDMI INPUT interface.)

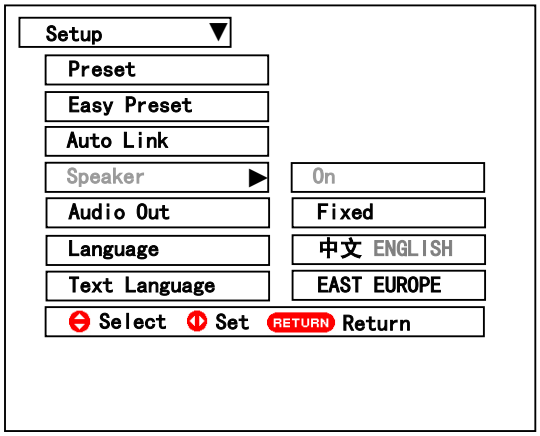
Remarks:

（1）If the performance of your external equipment connected to **AV1** or **AV5** on the TV is not reliable, it is recommended to turn off the **Auto Link** function to avoid the misoperation.

（2）If you use your external equipment or the video cassette recorder to perform recording after they are set to **On Timer**, do not activate **Auto Link** function to avoid the misoperation.

【Speaker】

Follow the steps on page 23 to enter the **Setup** menu, then select the **Speaker** option as shown on the right.

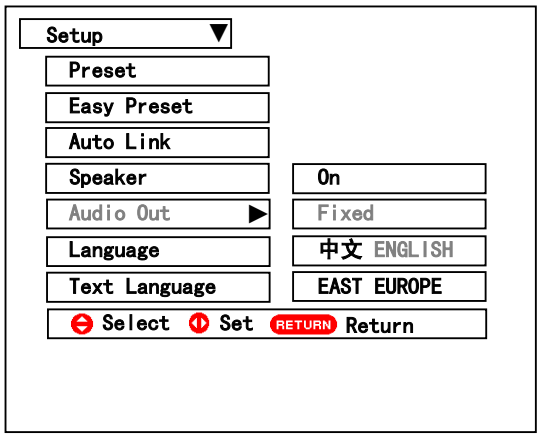


Press the ◀ ▶ cursor buttons to set the **Speaker** option **On** or **Off** to turn on or off the speakers of the TV.

Note: When the external stereo system is connected to the FIXED/VARIABLE AUDIO output terminals of the TV, you can set the **Speaker** option to **Off** to turn off the speakers of the TV.

ON-SCREEN DIPLAY MENU【SETUP MENU】

【Audio Out】

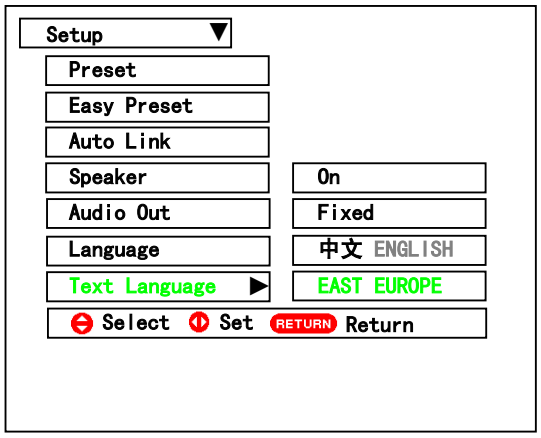


Follow the steps on page 23 to enter the **Setup** menu, then select the **Audio Out** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the **Audio Out** option **Fixed** or **Variable**.
The setting of the **Audio Out** option can change the output mode of the FIXED/VARIABLE AUDIO output terminals. It provides you with two modes (**Fixed** or **Variable**) for selection.
When **Audio Out** is set **Fixed**, the audio volume via the FIXED/VARIABLE AUDIO output terminals will be fixed.
When **Audio Out** is set **Variable**, the audio volume via the FIXED/VARIABLE AUDIO output terminals will be variable. You can control the volume by pressing **Volume up/down** buttons on the remote control unit of the TV set.

Note:
Please lower the volume of equipment to prevent damage to its speakers or hearing distorted sound when connecting the FIXED/VARIABLE AUDIO output terminals on the TV to the stereo system equipment.

【Language】 Refer to page 15.

【Text Language】



Follow the steps on page 23 to enter the **Setup** menu, then select the **Text Language** option as shown on the right.
Press the ◀ ▶ cursor buttons to set the language of text in your region. You can choose the **Text Language** options such as **EAST EUROPE**, **ARABIC**, **IRANIAN** and **WEST EUROPE**.

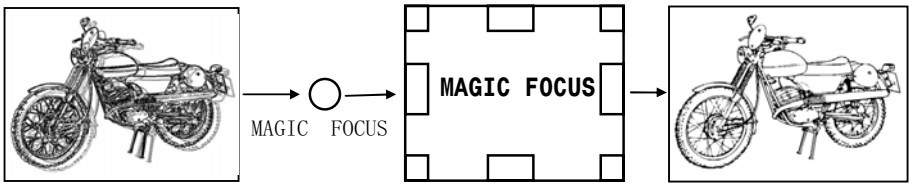
CONVERGENCE ADJUSTMENT

Over a period of time, the picture tubes can drift out of alignment due to abnormal bumps and vibrations or shifting of the TV. You may then notice that there are color rings or halos around the objects in the picture. You may have to converge (align) the colors(refer to note*1). If the picture on the screen is very clear, you may skip the below procedures.

The TV provides two modes of convergence adjustment (**AUTO CONVERGENCE** and **MANUAL CONVERGENCE**). Please ensure that the TV is powered on for at least 20 minutes before you proceed with the convergence adjustment.

AUTO CONVERGENCE (The C43-FL9000 model does not have this function.)

Press the **MAGIC FOCUS** button on the side panel for one second or so to enter the **AUTO CONVERGENCE** mode. At anytime during this convergence correction process, you may press the **MAGIC FOCUS** button to exit, and the picture condition will remain unchanged.

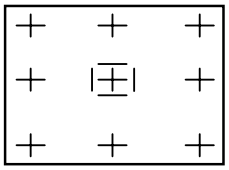


This process will take approximately 20 seconds. (Do not move the TV during this auto convergence process.)

MANUAL CONVERGENCE

For the C52-WD9000 model, press and hold the **MAGIC FOCUS** button for more than 3 seconds to enter the **MANUAL CONVERGENCE** mode.

Press and hold the **MAGIC FOCUS** button more than 3 seconds. → MANUAL FOCUS → Release the **MAGIC FOCUS** button. →



(Note: If you press the **MANUAL FOCUS** button on the side panel of the C43-FL9000 model, the TV will enter the **MANUAL CONVERGENCE** mode directly.)

(1) Press the ▲ ▼ ◄ ► cursor buttons to move the selection box to select the adjustment point. Press the **ENTER** button to change the color of the selection box to red. Press the ▲ ▼ ◄ ► cursor buttons to adjust red convergence.

Note: Press the number buttons (2, 5, 4, 6) can also move the selection box to select the adjustment point, and then to adjust red convergence directly.

(2) Press the **ENTER** button to change the selection box to blue. Press the ▲ ▼ ◄ ► cursor buttons to adjust blue convergence.

(3) Press the **ENTER** button to change the selection box to white. Press the ▲ ▼ ◄ ► cursor buttons to move the selection box to select another adjustment point, then perform (1)~(2) to adjust.

Notes: 1. During the adjustment, press the **ENTER** button frequently to return to the moving mode (I‾I is shown in white, which means the selection box is in the moving mode.) and affirm convergence of the selection box so as to get the best convergence.

2. If you cannot insure perfect alignment, please try to get balance in alignment between I‾I and ＋.

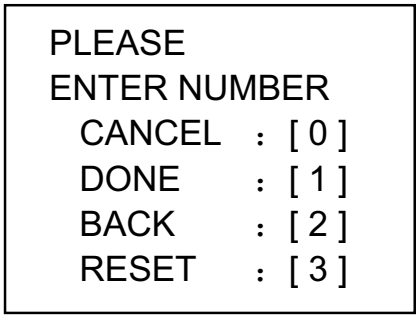
(4)When adjustment is done, press the **MENU** button and the following screen will display as below. Press the number keys to perform the following procedure.

[0]: To cancel the adjusted data and exit from adjustment mode.

[1]: **To save the adjusted data and exit from adjustment mode.**

[2]: To return to manual convergence mode.

[3]: To recall the adjusted data from previous auto convergence and return to manual convergence mode.



Notes:

1) During the adjustment, you are suggested to adjust again and again, and confirm the alignment of the selection box in the moving mode.

2) If there is no operation for 3 minutes from the remote control unit, the TV will exit from **MANUAL CONVERGENCE** mode.

Note*1： The TV has three color projection tubes: one for red, one for green and one for blue. When mixed together in the proper proportion, the output of these three color tubes can produce any color. To produce these colors, however, the beams must be precisely aligned over each other so that the color can be mixed. The process of aligning these picture beams is called **convergence**.

MULTI PICTURE

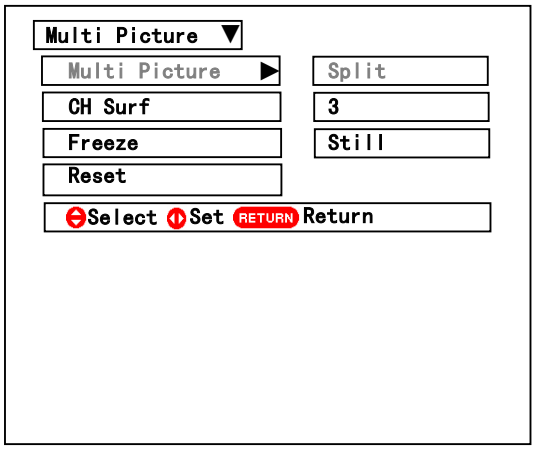
（The function shown as below is designed for the C43-FL9000 model.）

The **Multi Picture** function of this projection TV provides two modes, **Split** and **P in P**. To use the **Multi Picture** function allows you to enjoy the programs easily and comfortably.

In normal picture mode, press the **MULTI PIC.** button to enter the **Split** or **P in P** mode.

【Split】

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **Multi Picture** option as shown on the right.



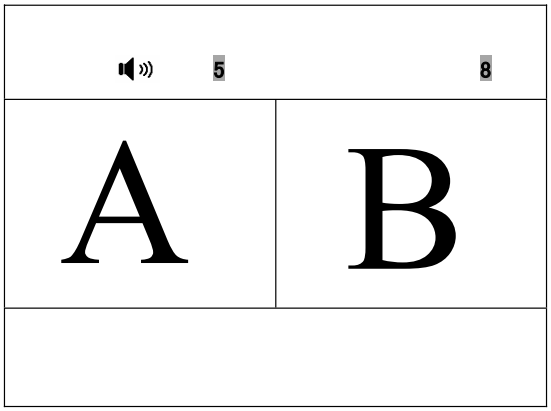
Press the ◀ ▶ cursor buttons to set **Multi Picture** option to **Split** mode, then exit from the menu.

- In normal picture mode, press the **MULTI PIC.** button to enter the **Split** mode as shown below. Picture A and B will show the programs of two channels respectively.
- Once you have entered the **Split** mode, press the **A/B** button to select any one of the two pictures. A red symbol will appear on top of the selected picture, indicating:

（1）The TV speakers will output the sound from the selected picture.

（2）The monitor out terminals will output audio and video signals from the selected picture.

（3）The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture cannot be the same as that in the other one. Otherwise, the characters **!Not Available** will appear.



Notes：

When the **RECALL** button is pressed, the picture A and B will display their respective program No. instantly, and the red symbol will appear on the top of the selected picture momentarily.

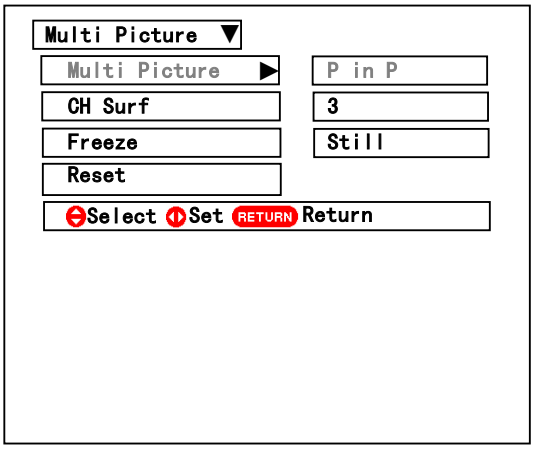
- In the **Split** mode, you can press the **SWAP** button to switch between the two pictures, ie, to exchange the program sources of picture A and B.
- If the **Freeze** option in the **Multi Picture** menu is set to **Still**, while in the normal TV mode, pressing the **FREEZE** button will enter the **Split** mode automatically. Picture A will display the current active program and picture B will display a freeze frame of the TV program captured at the moment you press the **FREEZE** button. MONITOR OUT terminals will output audio and video signals from picture A. Please refer to page 39 for information if the **Freeze** option in the **Multi Picture** menu is set to **Strobe**.
- In the **Split** mode, the **POSITION** button does not work.
- In the **Split** mode, press the **MULTI PIC.** or the **RETURN** button to exit.
- In the **Split** mode, you may enter the **Audio** menu to make adjustment by pressing the **MENU** button. However, if you enter other menus such as **Picture,** it will exit from the **Split** mode.

MULTI PICTURE

【P in P】

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **Multi Picture** option as shown on the right.

Press the ◀ ▶ cursor buttons to set the **Multi Picture** option to **P in P** mode, then exit from the menu.



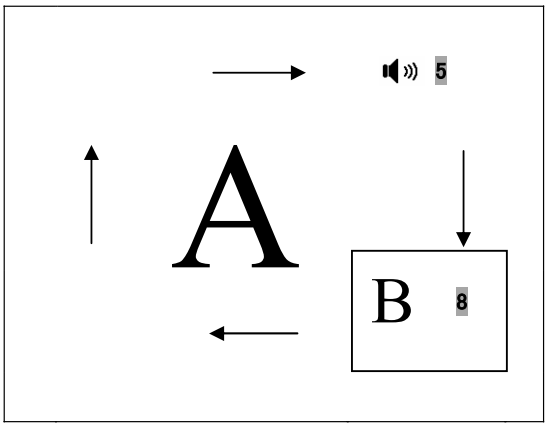
- In normal TV mode, press the **MULTI PIC.** button to enter the **P in P** mode as shown below. The picture A and B will show two programs of two channels respectively.

- Once you enter the **P in P** mode, press the **A/B** button to select any one of the two pictures and the red 🔊 symbol will appear on the top of the selected picture, indicating:

（1）The speakers on this TV output the sound from the selected picture.

（2）The monitor out terminals output audio and video signals from the selected picture.

（3）The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture can not be the same as that in the other one. Otherwise the characters **! Not Available** will appear.



Notes:

When the **RECALL** button is pressed, the picture A and B will display their respective program No. instantly, and the red 🔊 symbol will appear on the top of the selected picture momentarily.

- After accessing the **P in P** mode, you can press the **SWAP** button to switch between the two pictures, ie, to exchange the program sources in the picture A and B.

- Press the **POSITION** button to move the picture B on the screen in sequence as shown above. Do not fix the picture B on a particular position of the screen for a long time, or else, it will damage the PRT.

- In the **P in P** mode, you can press the **MULTI PIC.** or the **RETURN** button to exit.

- In the **P in P** mode， you may enter the **Audio** menu by pressing the **MENU** button to make adjustment. When entering other menus such as **Picture**, it will exit from the **P in P** mode.

Note: Not all input signal formats are valid for **P in P**. Even if the signal may be displayed in TV mode before entering **P in P**, it may not be displayed while in the **P in P** mode. In such case, the characters **! Invalid Signal** will appear in the picture A, or the **!** symbol will appear in the picture B. This is normal.

MULTI PICTURE

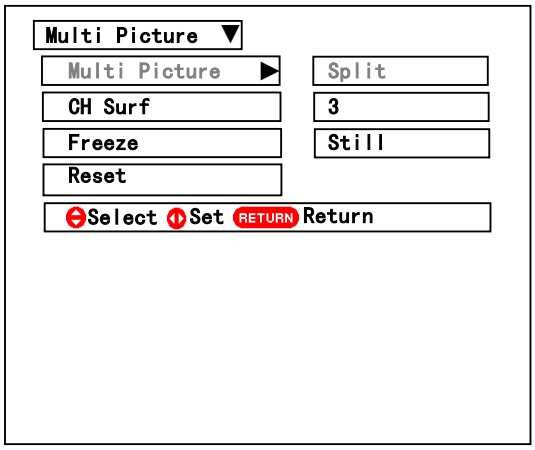
（The function shown as below is designed for the C52-WD9000 model.）

The **Multi Picture** function of this projection TV provides two modes, **Split** and **P in P**. To use the **Multi Picture** function allows you to enjoy the programs easily and comfortably.

In normal picture mode, press the **MULTI PIC.** button to enter the **Split** or **P in P** mode.

【Split】

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **Multi Picture** option as shown on the right.



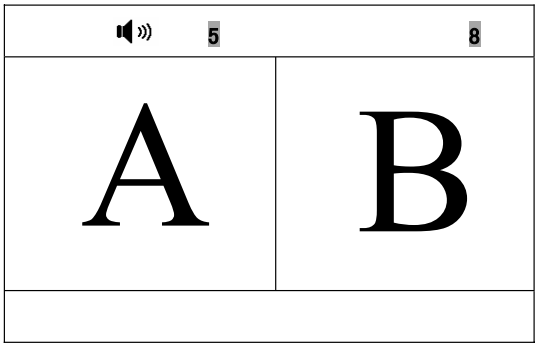
Press the ◀ ▶ cursor buttons to set **Multi Picture** option to **Split** mode, then exit from the menu.

- In normal picture mode, press the **MULTI PIC.** button to enter the **Split** mode as shown below. Picture A and B will show the programs of two channels respectively.
- Once you have entered the **Split** mode, press the **A/B** button to select any one of the two pictures. A red symbol will appear on top of the selected picture, indicating:

（1）The TV speakers will output the sound from the selected picture.

（2）The monitor out terminals will output audio and video signals from the selected picture.

（3）The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture cannot be the same as that in the other one. Otherwise, the characters **!Not Available** will appear.



Notes：

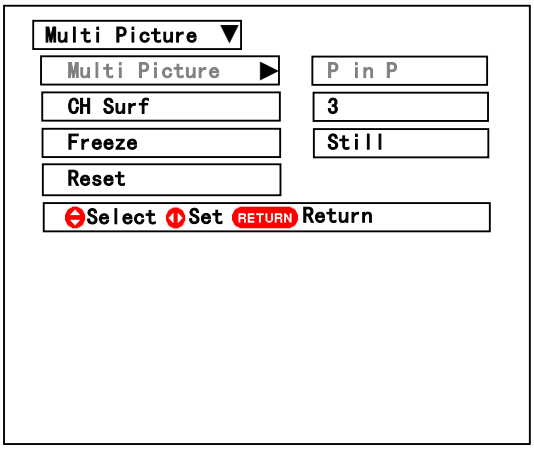
When the **RECALL** button is pressed, the picture A and B will display their respective program No. instantly, and the red symbol will appear on the top of the selected picture momentarily.

- In the **Split** mode, you can press the **SWAP** button to switch between the two pictures, ie, to exchange the program sources of picture A and B.
- If the **Freeze** option in the **Multi Picture** menu is set to **Still**, while in the normal TV mode, pressing the **FREEZE** button will enter the **Split** mode automatically. Picture A will display the current active program and picture B will display a freeze frame of the TV program captured at the moment you press the **FREEZE** button. MONITOR OUT terminals will output audio and video signals from picture A. Please refer to page 39 for information if the **Freeze** option in the **Multi Picture** menu is set to **Strobe**.
- In the **Split** mode, the **POSITION** button does not work.
- In the **Split** mode, press the **MULTI PIC.** or the **RETURN** button to exit.
- In the **Split** mode, you may enter the **Audio** menu to make adjustment by pressing the **MENU** button. However, if you enter other menus such as **Picture,** it will exit from the **Split** mode.

MULTI PICTURE

【P in P】

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **Multi Picture** option as shown on the right. Press the ◀ ▶ cursor buttons to set the **Multi Picture** option to **P in P** mode, then exit from the menu.



- In normal TV mode, press the **MULTI PIC.** button to enter the **P in P** mode as shown below. Picture A and B will show the programs of two channels respectively.

- **P in P** mode will have different display formats according to the signal format received.

（1）When both the main picture and sub picture are receiving from RF, video or component signals (525i or 625i) or HDMI signal (525i or 625i), the **P in P** mode will display as shown in figure 1.

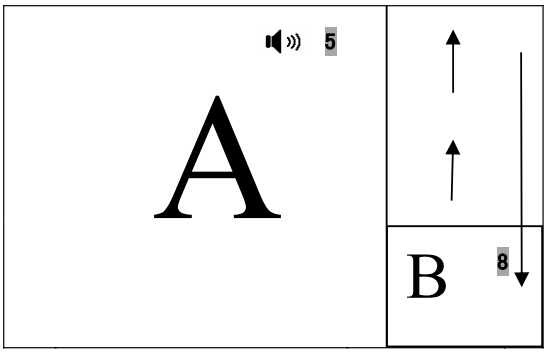


Figure 1.

Note: In this mode, press the **SWAP** button to exchange the program sources of picture A and B.

（2）When the main picture receives 1125i HD signal and the sub picture receives RF, video or component signals (525i or 625i) or HDMI signal (525i or 625i), the **P in P** mode will display as shown in figure 2.

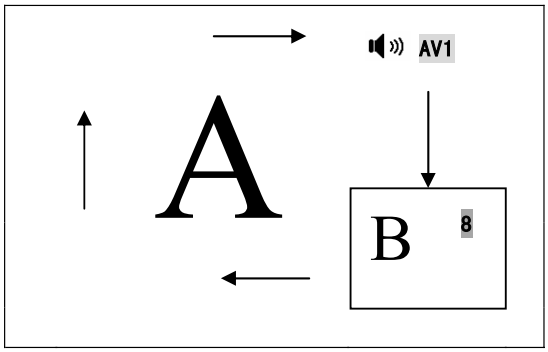


Figure 2.

Note: In this mode, press the **SWAP** button, it will change from figure 2 condition to figure 1. However, picture B will not be displayed normally and the **!** symbol will appear. This is normal.

MULTI PICTURE

●Once you enter the **P in P** mode, press the **A/B** button to select any one of the two pictures. A red 🔊 symbol will appear on top of the selected picture, indicating:

（1）The TV speakers will output the sound from the selected picture.

（2）The monitor out terminals will output audio and video signals from the selected picture.

（3）The operations such as program selection, etc. are valid for the selected picture. However, the program No. selected in one picture cannot be the same as that in the other one. Otherwise the characters **!Not Available** will appear.

Notes:

When the **RECALL** button is pressed, picture A and B will display their respective program No. instantly, and a red 🔊 symbol will appear on top of the selected picture momentarily.

●Press the **POSITION** button to move picture B on the screen in sequence as shown on previous page. Do not fix picture B on a particular position of the screen for a long time, this will damage the PRT.

●In the **P in P** mode, you can press the **MULTI PIC.** or the **RETURN** button to quit.

●In the **P in P** mode，you can press the **MENU** button to enter the menu, then select the **Audio** option to perform audio adjustment. However, if you enter other menus such as **Picture**, it will exit from the **P in P** mode.

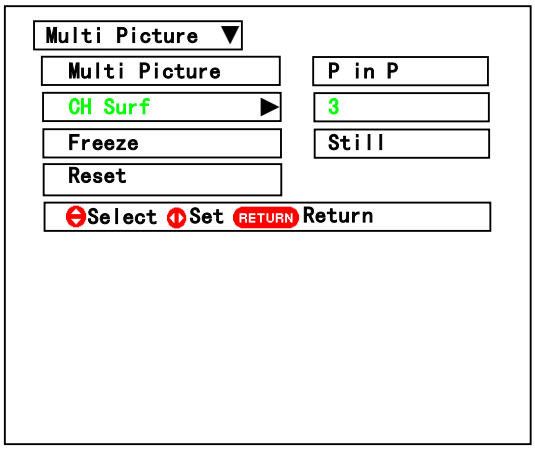
Note: Not all input signal formats are valid for **P in P**. Sometimes, the signal may be able to be displayed in TV mode before entering **P in P**, it may not be able to be displayed once in the **P in P** mode. In such case, the characters **!Invalid Signal** will appear in picture A, or the **!** symbol will appear in picture B. This is normal.

CH SURF FUNCTION

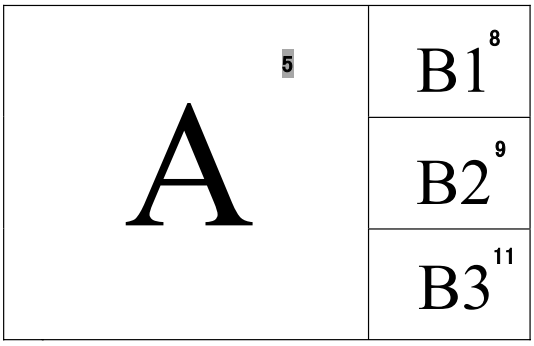
The **CH Surf** function of this TV provides two modes, mode **3** and mode **12**. To use this function allows you to enjoy the programs easily and comfortably.
In normal picture mode, press the **CH SURF** button to enter mode **3** or mode **12**.

【Mode 3】

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **CH Surf** option as shown on the right. Press the ◀ ▶ cursor buttons to set the **CH Surf** option to mode **3**, then exit from the menu.



- In normal TV mode, press the **CH SURF** button to enter mode **3** (4-Picture display mode) as shown below.
  Picture A will display the current active program. The speakers will output the sound from picture A. The monitor out terminals will output audio and video signals from picture A too.
  Picture B1, B2 and B3 will rotate to refresh individual program after a few seconds starting from the program No.0, except those programs that are skipped.



- When entering mode **3**, you can select the program for picture A by pressing the program up/down buttons ▲ ▼ or number buttons. As for the pictures in group B, you can press the **▲P+** **▼P-** buttons to select one of the pictures among the B1, B2, B3 picture. The color of the program No. in the selected picture will turn from white to green. If you press the **ENTER** button, the picture selected in group B will be switched to the picture A.

- In this mode, press the **CH SURF** or the **RETURN** button to quit.

- In this mode, you can enter the **Audio** menu to perform the adjustment. However, if you enter other menus such as **Picture**, it will exit from the 4-Picture display mode.

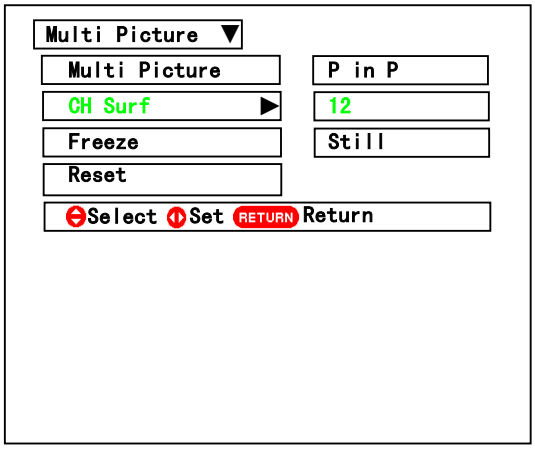
- In this mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.

Note: Not all input signal formats are valid for mode **3**. Sometimes the signal may be able to be displayed in TV mode before entering mode **3**, it may not be able to be displayed once in mode **3**. In such case, the characters **!Invalid Signal** will appear in picture A, or the **!** symbol will appear in picture B. This is normal.

CH SURF FUNCTION

【Mode 12】

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **CH Surf** option as shown on the right. Press the ◀ ▶ cursor buttons to set the **CH Surf** option to mode **12**, then exit from the menu.



- In normal TV mode, press the **CH SURF** button to enter mode **12**(12-picture) as shown below.
  The 12 pictures will rotate to refresh individual program after a few seconds starting from the program No.0 except for those skipped program. If the preset channels are less than 12, it will display the actual number of searched program. If the preset channels are more than 12, use the **Page up/down** buttons to select the next group of program.

- In this mode, you can press the ▲ ▼ ◀ ▶ cursor buttons to select one of the pictures, and the program No. of the selected picture will turn from white to green. If you press the **ENTER** button to quit, the selected picture will fill the entire TV screen.

- In this mode, directly entering the program No. by using the number buttons will quit this mode, and the selected picture will fill the entire TV screen.

- In this mode, there will be no signal output from the speakers and the monitor out terminals.

1	2	3	4
5	6	7	8
9	10	11	12

- In this mode, press the **CH SURF** or the **RETURN** button to quit. If you enter the menu by pressing the **MENU** button, it will exit from this mode.

- In this mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.

The **Strobe** function is as shown below.

Follow the steps on page 21 to enter the **Function** menu and select the **Multi Picture** option, then enter the **Multi Picture** menu and select the **Freeze** option. Press the ◀ ▶ cursor buttons to set the **Freeze** option to **Strobe**, then exit from the menu.

- In normal TV mode, press the **FREEZE** button to enter the mode **12** automatically. The 12th picture will display the current active program. The other 11 pictures will display the continuous freeze frames of the TV program captured at the moment you press **FREEZE**. This function is not valid for all input signal formats. When **！Not Available** appears, it is invalid.

- In this mode, you can quit by pressing the **RETURN** or the **FREEZE** button.

- In this mode, you can enter the **Audio** menu to perform the adjustment. However, if you enter other menus such as **Picture**, it will exit from this mode.

- The monitor out terminals will output the video and audio signals from the current active program.

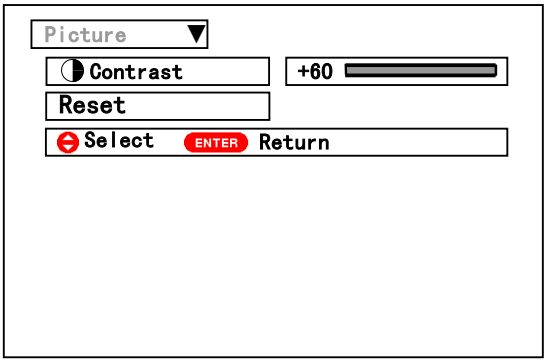
- In this mode, the **A/B**, **SWAP** and **POSITION** buttons are invalid.

TELETEXT

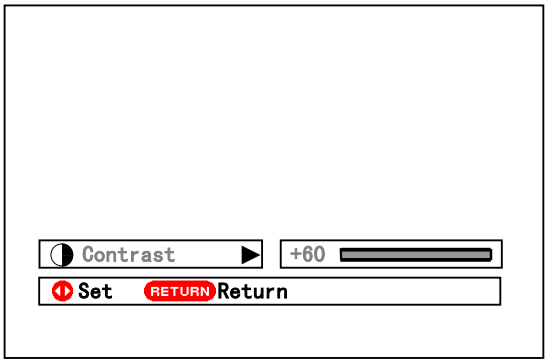
Name of buttons	Operation
TV/TEXT	Switches between TV mode and TELETEXT mode.
INDEX	Selects the index page.
SUB	Allows receiving of a sub page. The sub page number and the color key will be displayed.
RED（POSITION） **GREEN（SWAP）** **YELLOW（A/B）** **BLUE（MULTI PIC.）**	Each of these buttons select a link page displayed on the lower part of the screen.
U.N.L	Changes the screen display mode through the following. •upper half screen enlarged •lower half screen enlarged •normal state
HOLD	Holds the page currently being displayed on the screen. Instead of the number, 'HOLD' indicator appears on the top left of the screen. Press this button again to release the hold state.
REVEAL	Allows hidden information (found on some teletext pages) to be displayed on the screen.
PAGE ▲ / ▼	Increase/ decrease the page number.
CANCEL	This button is used to return the screen to the TV mode temporarily while the TV is searching a required text page. Press this button again to display the teletext screen.
MODE	This button is used to switch between FASTEXT and LIST mode. FASTEXT is to link the four 'prompt' information on the lower part of the screen, represented by the four colors which match the color buttons on the remote control.

TO ADJUST THE TELETEXT CONTRAST

While in TELETEXT mode, press the **MENU** button to display the menu as shown on page 17, and press the ▲ ▼ cursor buttons to select the **Picture** option, then press the **ENTER** button to display the **Picture** menu as shown on the right.



Press the ▲ ▼ cursor buttons to select the **Contrast** option, then press ◀ ▶ cursor buttons to adjust the contrast as shown on the right.



In TELETEXT mode, the TV will exit from this mode when it enters the **Audio**, **Timer** or **Function** menu.

OTHER FUNCTIONS

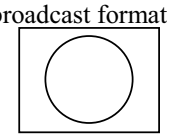
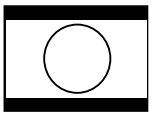
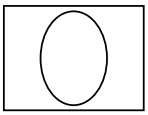
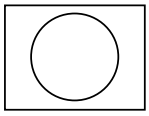
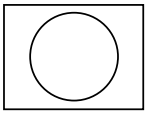
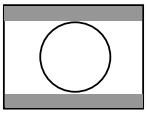
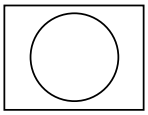
ASPECT MODE

（The function shown as below is designed for the C43-FL9000 model.）

1.When non HD component signal is received

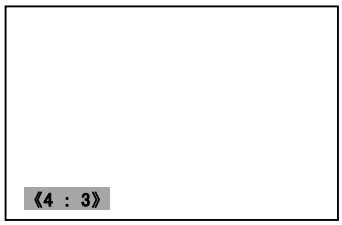
You may set different aspect modes to view the image with different signal formats.
You can change between four different modes,《**4:3**》,《**4:3 Zoom**》,《**16:9**》and《**16:9 Zoom**》.

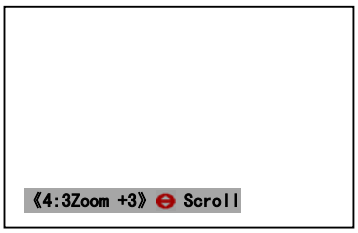
Please see the following on each of four modes for details.

		Signal sources		
		For example: Conventional TV broadcast format 	For example: 16:9 widescreen cinema 	For example: signal transformed from HD 
Suggested aspect mode	《4 : 3》			
	《4 : 3 Zoom》			
	《16 : 9》			
	《16 : 9 Zoom》			

●To switch aspect mode, please press the **P.SIZE** button, the TV will display the corresponding aspect mode momentarily on the lower part of the screen. For example, set the current aspect mode to《**4:3**》as shown on the lower left side. If 《**4:3 Zoom**》 is set as shown on the lower right side, you can press the **▲P+** **▼P-** cursor buttons to adjust the display position up and down before the words “《4 : 3Zoom +3》 Scroll” disappears as shown on the lower right side.

`





2.When HD component signal is received

Press the **P.SIZE** button to switch between two different modes,《**16:9**》and《**16:9Zoom**》.

Remark:
If you change program No. or power on the TV, the aspect mode will return to the mode of 《**16:9**》(when HD signal is received) **or** 《**4:3**》(when conventional signal is received).

Notes:

1. Do not watch TV at non full screen, as this may cause damage to your PRT.
2. Using this special function (aspect mode) to change the size of image displayed (i.e., change the ratio of height and width) for the purpose of public release or some commercial interests may infringe the copyright law.
3. In multi picture, pressing the **P.SIZE** button does not function.

OTHER FUNCTIONS

ASPECT MODE

（The function shown as below is designed for the C52-WD9000 model.）
You may set different aspect modes to view the image with different signal formats.

【TV P.Size】

This function is available for conventional TV broadcast (RF) signal input. When other non RF signals are received, this function is not available and the size of the picture may not vary though **TV P.Size** can be set. This is normal.

1. When conventional TV broadcast (RF) signal is received

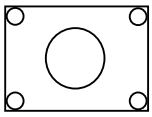
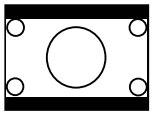
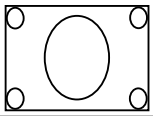
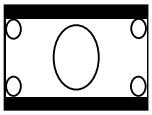
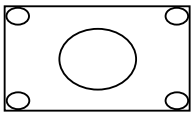
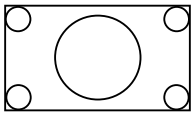
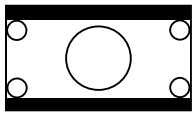
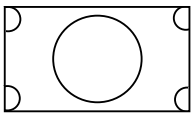
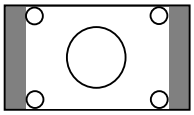
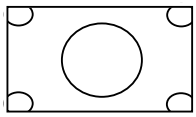
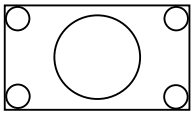
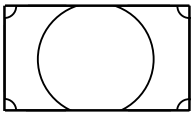
Follow the steps on page 20, 21 to enter the menu, then access the **Function** menu and select the **TV P.Size**. Press the ◄ ► cursor buttons to change between three different modes including **16:9**, **4:3** and **Expanded**.

- If the **P.SIZE** button is pressed, the aspect modes will switch between six different modes, 《**16:9**》, 《**16:9Zoom**》, 《**4:3**》, 《**Expanded**》, 《**4:3Zoom1**》 and 《**4:3Zoom2**》.
- When you press the **P.SIZE** button, the aspect mode will change to 《**16:9**》, 《**16:9Zoom**》, 《**4:3**》, 《**Expanded**》, 《**4:3Zoom1**》 or 《**4:3Zoom2**》 mode. However, if you change program No. or power on the TV, the aspect mode will automatically return to the mode that you set in **TV P.Size** option.

2. When video, s.video or non HD component signal is received

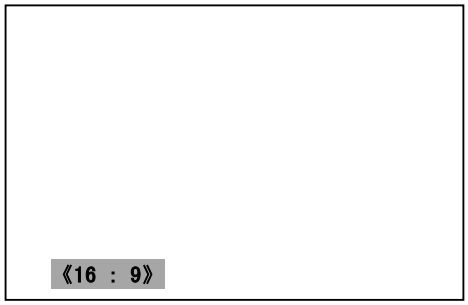
Press the **P.SIZE** button to switch between six different modes, 《**16:9**》, 《**16:9Zoom**》, 《**4:3**》, 《**Expanded**》, 《**4:3Zoom1**》 and 《**4:3Zoom2**》.

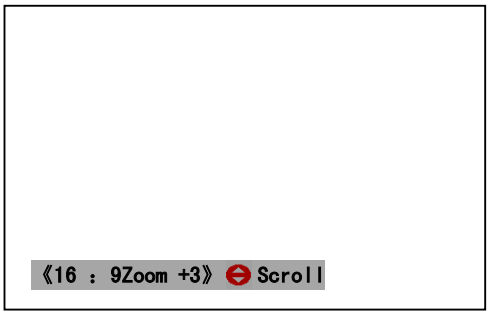
Please see the following on each of six modes for details.

		Signal sources			
		For example: Conventional TV broadcast format 	For example: widescreen cinema 	For example: signal transformed from HD 	For example: signal transformed from HD 
Suggested aspect mode	《16 : 9》				
	《16 : 9Zoom》				
	《4 : 3》				
	《Expanded》				
	《4 : 3Zoom1》				
	《4 : 3Zoom2》				

OTHER FUNCTIONS

●To switch aspect mode, please press the **P.SIZE** button, the TV will display the corresponding aspect mode momentarily at the lower part of the screen. For example, set the current aspect mode to **《16:9》** as shown at the lower left side. If **《16:9 Zoom》** is set as shown at the lower right side, you can press the ▲ ▼ cursor buttons to adjust the display position up and down before the words **"《16 : 9Zoom +3》 Scroll"** disappear as shown at the lower right side. Likewise, the function is available in **《4:3Zoom1》**, **《4:3Zoom2》** or **《Expanded》** mode.





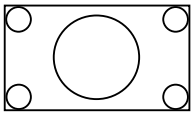
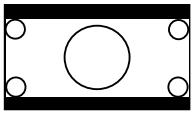
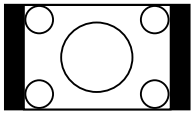
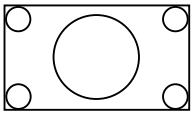
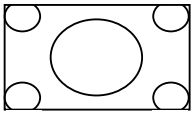
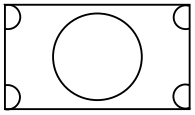
●If you change program No. or power on the TV, the aspect mode will not change.

3. When HD component signal is received

●Press the **P.SIZE** button to switch between three different modes, **《16:9》**, **《Expanded》** and **《16:9Zoom》**.

●If you change program No. or power on the TV, the aspect mode will return to the mode of **《16:9》**.

Please see the following on each of three modes for details.

		Signal Sources		
		HD Signal 	HD Signal 	HD Signal 
Suggested aspect mode	《16 : 9》 			
	《Expanded》			
	《16 : 9Zoom》			

OTHER FUNCTIONS

【Auto P.Size】

The **Auto P.Size** is designed for HDMI INPUT interface.
Follow the steps on page 21, 22 to enter the menu, then access the **Function** menu and select the **Auto P.Size** option. Press the ◄ ► cursor buttons to change between **On** and **Off**.

1. With the signals such as 576i, 576p, 480i and 480p from the HDMI INPUT interface on **INPUT1**

●Set the **Auto P.Size** option to **Off**
To press the **P.SIZE** button, the aspect mode will switch between six different modes, **《16:9》**,**《16:9Zoom》**, **《4:3》**,**《Expanded》**,**《4:3Zoom1》** and **《4:3Zoom2》**. If you change program No. or power on the TV, the aspect mode will not change.

●Set the **Auto P.Size** option to **On**
To press the **P.SIZE** button, the aspect mode will switch between six different modes, **《16:9》**,**《16:9Zoom》**, **《4:3》**,**《Expanded》**,**《4:3Zoom1》** and **《4:3Zoom2》**.
There are three cases as shown below.
1)The aspect ratio of HDMI signal is **4:3**
If you change program No. or power on the TV, the aspect mode of the TV will not change.
2)The aspect ratio of HDMI signal is **LETTER**
If you change program No. or power on the TV, the aspect mode of the TV will automatically return to the mode of **《4:3Zoom1》**.
3)The aspect ratio of HDMI signal is **16:9**
If you change program No. or power on the TV, the aspect mode of the TV will automatically return to the mode of **《16:9》**.

2. With the signals such as 1080i and 720p from the HDMI INPUT interface on **INPUT1**
To press the **P.SIZE** button, the aspect mode will switch between three different modes, **《16:9》**,**《16:9Zoom》** and**《Expanded》**. If you change program No. or power on the TV, the aspect mode of the TV will return to the mode of**《16:9》**.

Notes:

1. In multi picture, pressing the **P.SIZE** button does not function.
2. Do not watch TV at non full screen, as this may cause damage to your PRT.
3. Using this special function (aspect mode) to change the size of image displayed (i.e., change the ratio of height and width) for the purpose of public release or some commercial interests may infringe the copyright law.

OTHER FUNCTIONS

AUDIO button

Press the **AUDIO** button to switch the sound mode as shown below:

Theater→Music→Narration→Favorite

PICTURE button

Press the **PICTURE** button to switch the picture mode as shown below:

Dynamic→Natural→Theater→Favorite

DVD buttons

With this remote control unit, you can use it to operate the selected brands of DVD players by pressing the following buttons on this remote control unit simultaneously.

Example

To operate HITACHI DVD player, press and hold the **RECALL** button, followed by the ① button.

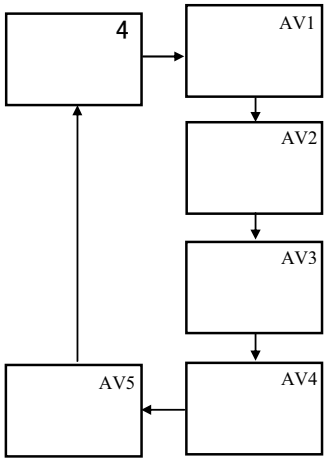
Brands of DVD Player	Press
HITACHI	**RECALL** , ①
PIONEER	**RECALL** , ②
PANASONIC	**RECALL** , ③
TOSHIBA	**RECALL** , ④
PHILIPS	**RECALL** , ⑤
JVC	**RECALL** , ⑥
SAMSUNG	**RECALL** , ⑦
SONY	**RECALL** , ⑧
RCA	**RECALL** , ⑨
MITSUBISHI	**RECALL** , ⓪
ONKYO	**RECALL** , **INDEX**
ZENITH	**RECALL** , **MODE**
ORITRON	**RECALL** , **SUB**
SKYWORTH	**RECALL** , **REVEAL**
BBK	**RECALL** , **TV/TEXT**
SHINCO	**RECALL** , **CANCEL**

Note：Not all models of the listed brands can be operated using this remote control unit.

OTHER FUNCTIONS

TV/VIDEO button

Press the **TV/VIDEO** button to select the input mode.



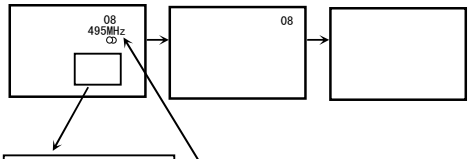
RECALL button

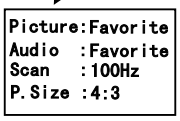
Press the **RECALL** button to display the program No. or AV No. and the related information.

Pressing the **RECALL** button again, the display will disappear.

①When receiving in the TV mode:

A few seconds later A few seconds later





AUDIO MODE

ⵔ STEREO

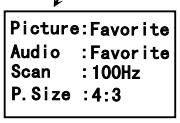
▽ MONO

I MAIN

II SUB

②When receiving in the AV mode:

A few seconds later A few seconds later

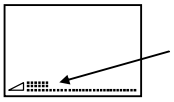


AV DIRECT SELECTOR buttons

Press the AV1～AV5 buttons to select one of them directly.

MUTE button

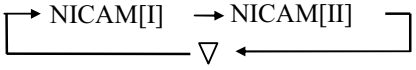
The sound is muted by pressing the button. To release the muting, press the button again or press the **Volume up** button.



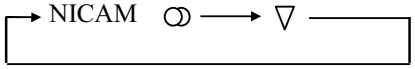
Muting is indicated in purple.

CH I/II button

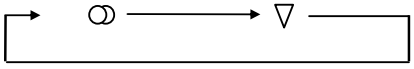
Mode will exchange among I (MAIN), II(SUB) and FM(MONO) when bilingual broadcast is being received.



When stereo broadcast is being received, mode will exchange between STEREO and MONO.



When A2 stereo broadcast is being received, mode will exchange between STEREO and MONO.



P.SIZE button

Press the **P.SIZE** button to switch the aspect mode. Refer to page41-44.

OTHER FUNCTIONS

（The function shown as below is designed for the C52-WD9000 model.）

HD SIGNAL THROUGH MODE

This TV incorporates a **HD** signal through mode to display more actual **HD** picture. When receiving **HD** signal, you can switch between the **HD** signal through and **HD** signal non-through modes to obtain optimum picture.

To access **HD** signal through mode, please follow the following procedures:

1.Input **HD** signal to component terminals（Y, P_B/C_B, P_R/C_R）of **INPUT1** (or HDMI INPUT interface) or **INPUT2**.

Note: **HD** signal through mode is only for 1080i/50Hz and 1080i/60Hz. It is not available for other **HD** signal formats (for example:720p/60Hz).

2.Set the **Dynamic Contrast** and **Color Manager** in the **Picture** menu to **Off,** and set the **Scan Mode** in the **Function** menu to **HD**.

Note: If you set the **Dynamic Contrast** or **Color Manager** to **On**, or you do not set **Scan Mode** to **HD**, it will exit from **HD** signal through mode.

3.Set the aspect mode to **《16:9》** by pressing the **P.SIZE** button.

Note: When the aspect mode is set to **《Expanded》** or **《16:9 Zoom》** , it will exit **HD** signal through mode.

Notes：

1. When **HD** signal through and non-through mode are swapping, the picture will become black instantly. This is normal.
2. In this mode, the multi pictures displayed will be in non-through mode when using **Multi Picture** function. Exit from **Multi Picture** mode, the TV will return to **HD** signal through mode.

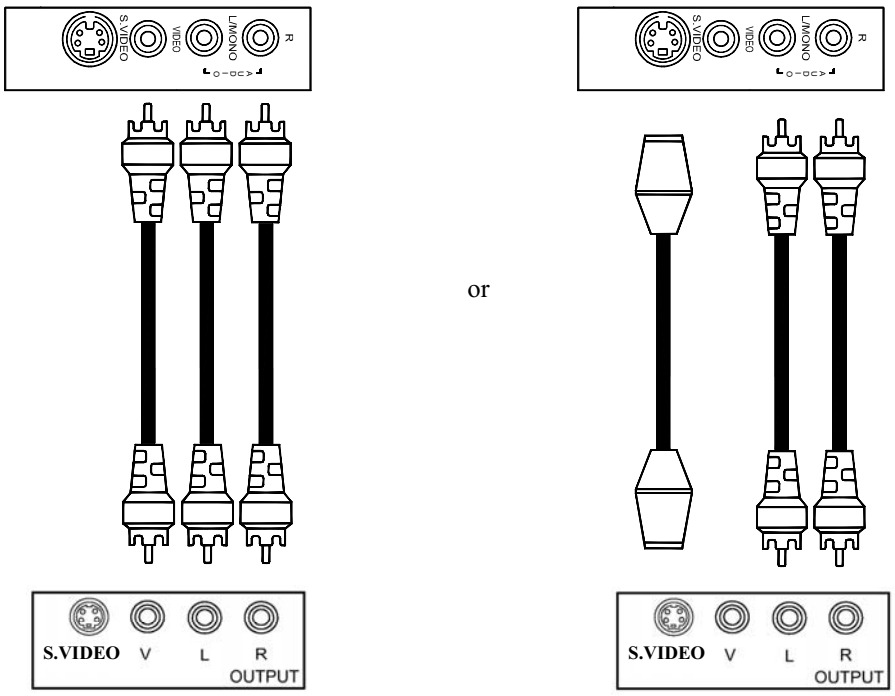
CONNECTION WITH OTHER EQUIPMENT

Jacks and connections of side panel

The side panel jacks are provided to allow you to conveniently connect a camcorder, VCR, etc.

【The typical connection of video camera, VCR, etc.】

Side panel jacks



（Outputs from VCR, DVD, S-VHS video camera, etc）

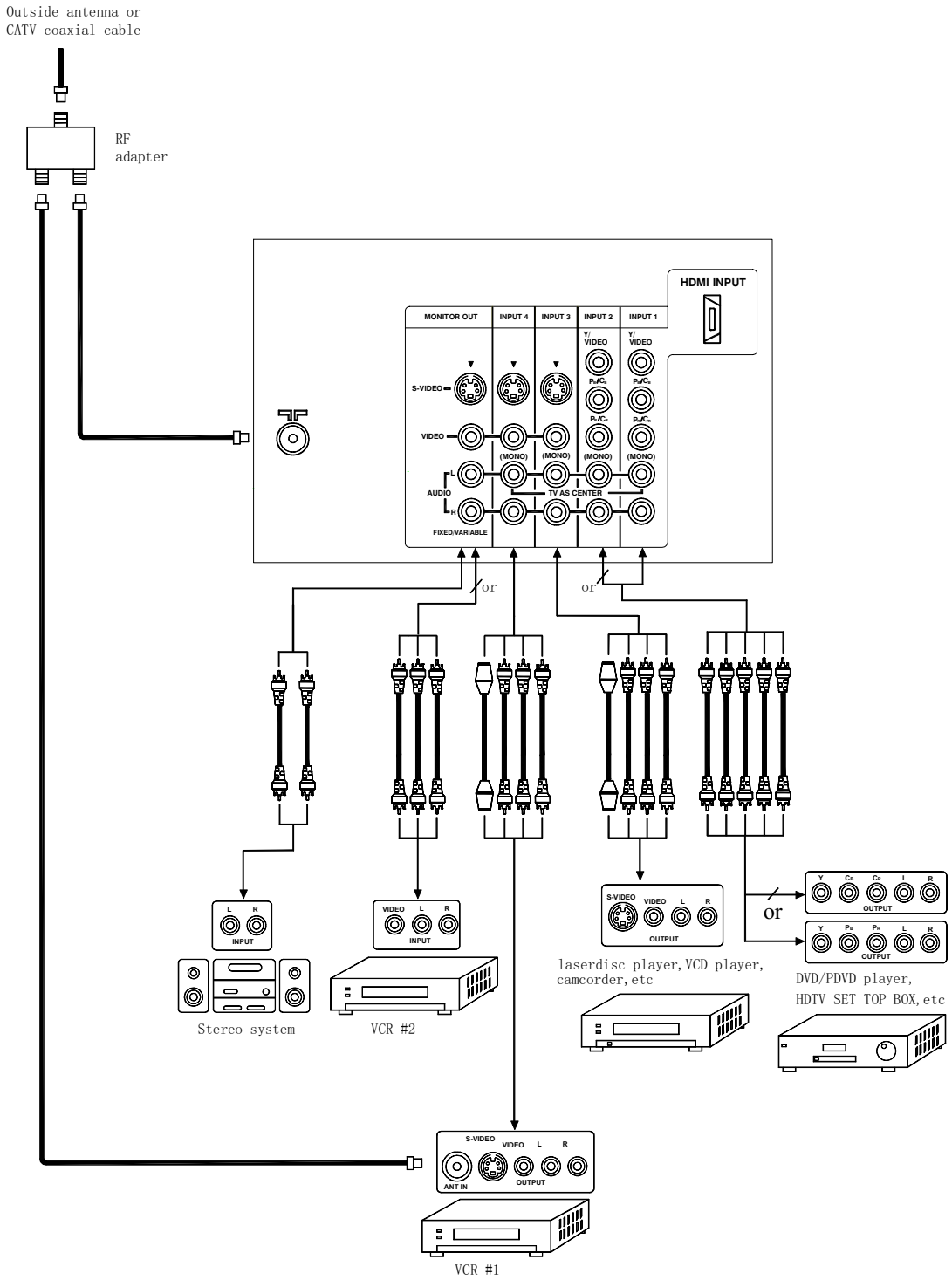
Notes：

1. Insert connection cord plugs completely when connecting to side panel jacks, and ensure that they are properly connected. S.VIDEO and VIDEO input jacks at the side panel cannot be used at the same time, or else, the playback picture may be abnormal. Thus, before you connect the cable to S.VIDEO jack, please check that VIDEO jack is not connected, and vice versa.
2. If your equipment has S.VIDEO output，please use S.VIDEO cable instead of the standard video cable.
3. If your equipment has a mono sound output, please insert the audio cable into the left audio (L/MONO) jack of your TV.

CONNECTION WITH OTHER EQUIPMENT

Jacks and connections of rear panel

【The typical connection of rear panel 1】

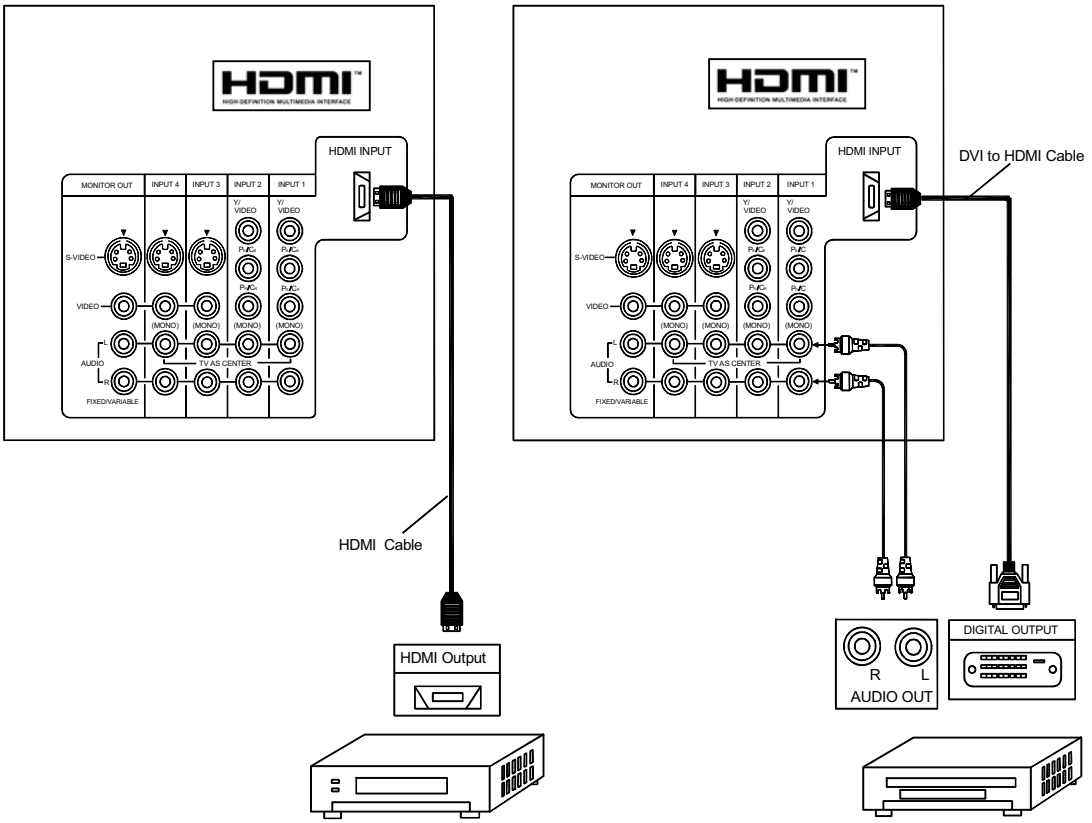


Note: The C43-FL9000 model does not have HDMI INPUT interface.

OTHER FUNCTIONS

（The function shown as below is designed for the C52-WD9000 model.）

【The typical connection of rear panel 2】



About HDMI

HDMI is the next-generation all digital interface for consumer electronics. HDMI enables the secure distribution of uncompressed high-definition video and multi-channel audio in a single cable. Because digital television (DTV) signals remain in digital format, HDMI assures that pristine high-definition images retain the highest video quality from the source all the way to your television screen.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Use the HDMI INPUT interface for your external devices such as set-top boxes or DVD players equipped with an HDMI output connection as shown on the top.

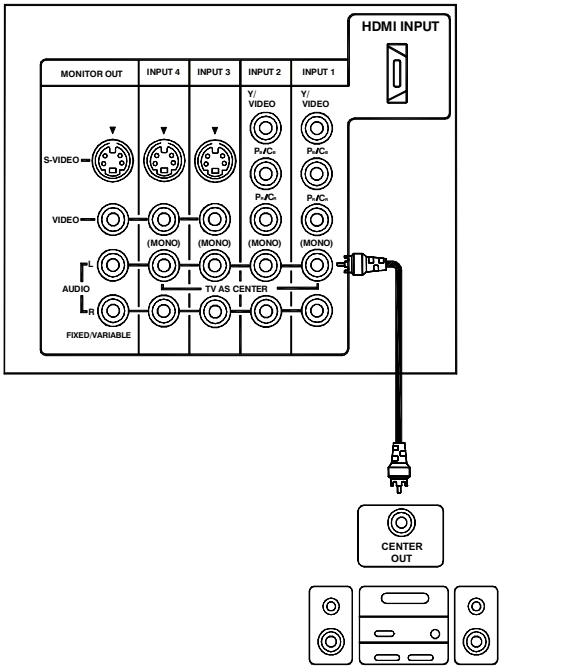
Notes: 1. The HDMI INPUT interface is not intended for use with personal computers.

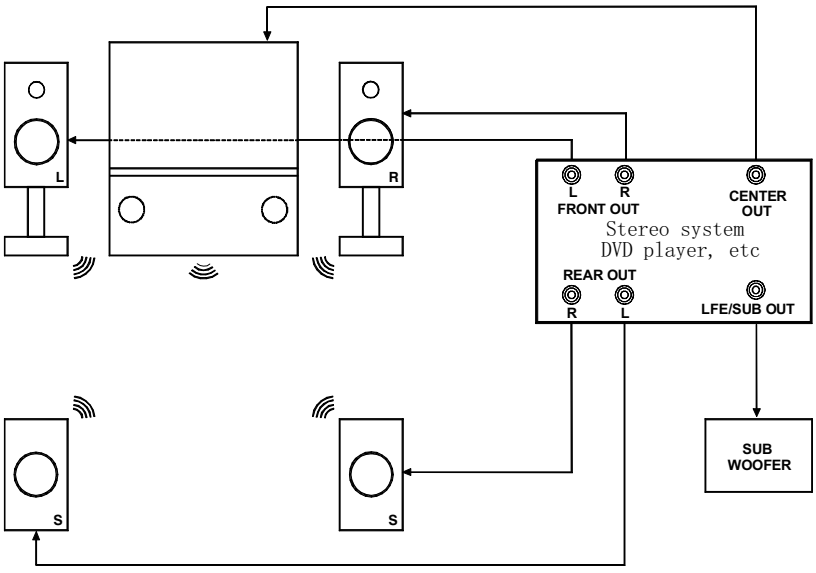
2. Only formats such as 1080i, 720p/60Hz, 576i, 576p, 480i and 480p are available for HDMI INPUT interface.
3. The HDMI INPUT interface on **INPUT1** contains the copy protection system called High-bandwidth Digital Content Protection (HDCP). HDCP is a cryptographic system that encrypts video signals when using HDMI connections to prevent illegal copying of video contents.
4. Connect the HDMI or DVI to HDMI connection cable from the output of the HDTV set-top box or DVD player to the HDMI INPUT interface as shown on the TV set above. When using a component with DVI output, you also have to connect the AUDIO OUT (R/L) of the component to the AUDIO (R/L) of **INPUT1**.

CONNECTION WITH OTHER EQUIPMENT

【The typical connection of TV AS CENTER】

Rear panel





Note: The C43-FL9000 model does not have HDMI INPUT interface.

CONNECTION WITH OTHER EQUIPMENT

About the jacks and connections of rear panel

1.Refer to the operation manual of your electronic equipment for additional information on connections.

2.If your device has only one audio output (mono sound), please connect it to the left channel jack (L/MONO).

3.Audio and video signal from the same source should be connected to the same group of terminals. Do not mix them.

4.Terminals（Y/VIDEO,P_B/C_B,P_R/C_R）in **INPUT1** and **INPUT2** are used to connect component outputs of HDTV STB, DVD, PDVD, etc. Y/VIDEO input terminal can also be used as the standard video terminal.
When you use Y/VIDEO, P_B/C_B, P_R/C_R terminals to connect component signals, press the **RECALL** button on the remote control unit to show the characters **COMPONENT** and **AV1** or **AV2** on the top right corner of the screen, which indicates that you are using component terminals to receive signals. However, when you use Y/VIDEO terminal instead of Y/VIDEO, P_B/C_B, P_R/C_R terminals to receive video signal, only the character **AV1** or **AV2** will appear on the top right corner of the screen.
The HDMI INPUT interface on **INPUT1** can be used to connect your external devices equipped with an HDMI output. When the HDMI INPUT interface on INPUT1 is connected, press the **RECALL** button on the remote control unit to show the characters **HDMI** or **DVI** and **AV1** on the top right corner of the screen, which indicates that you are viewing the program through the HDMI INPUT interface on **INPUT1**.
Note: 1. When the HDMI INPUT interface on **INPUT1** is used, please do not connect terminals (Y/VIDEO，P_B/C_B，P_R/C_R) on **INPUT1**.
2. The C43-FL9000 model does not have HDMI INPUT interface.

5.If your device has s-video signal output, please use s-video signal instead of the standard video signal.
If there are signals input from the same group of S-VIDEO and VIDEO terminals, the TV will receive signal from S-VIDEO and the characters **S** and **AV3** or **AV4** will appear on the top right corner of the screen by pressing the **RECALL** button, which indicates that you are using S-VIDEO terminal to receive signals.

6.（VIDEO）MONITOR OUT terminal outputs video signal receiving from RF, S-VIDEO or VIDEO terminal to external equipment. When receiving component signals (Y，P_B/C_B，P_R/C_R) or HDMI INPUT interface signal, there is no output from（VIDEO）MONITOR OUT terminal.

7.（S-VIDEO）MONITOR OUT terminal outputs S-VIDEO signal receiving from S-VIDEIO inputs to external equipment. When receiving signals from RF, VIDEO, Y, P_B/C_B, P_R/C_R terminals or HDMI INPUT interface, there is no output from（S-VIDEO）MONITOR OUT terminal.

8.（FIXED/VARIABLE AUDIO）MONITOR OUT terminals provide fixed or variable audio level output to external stereo system.

9.TV AS CENTER input jacks
These jacks are for stereo amplifiers with center signal output capability. This feature allows the TV speakers to be used as a center speaker.

ADDENDA

A guide to simple problem solving

• Before calling up the service personnel, please check the following chart for a possible cause to the problem you are encountering.

Symptom	Possible causes
No picture,no sound,power/standby indicator is OFF.	• The power cord is not plugged in.
No picture,no sound,power/standby indicator is ON.	• The TV is in standby mode.
No sound	• The volume control is set to minimum. • The **Speaker** option in **Setup** menu is set to **Off**.
Twist image and poor sound	• The antenna signal is too weak or too strong. • The TV is not tuned correctly.
Poor brightness, color or tint	• The contrast, brightness, color or tint may be misadjusted.
Snowy picture	• Interference from motorcycles, high-tension line, electric hair drier, personal computer or radio station.
Ghosts	• Check the direction, height or position of the antenna.
No color	• The antenna signal is too weak. • **Color System** or **Sound System** is not set properly.
Remote controller does not work.	• The batteries in the remote controller may be exhausted. • The batteries may be improperly installed. • There is obstruction between the remote controller and the TV.

HITACHI Projection Television incorporates advanced power surge protection technology designed to protect against component or circuit damage due to external or internal power surges.
If your TV appears **A LOSS OF POWER**, please follow the following procedure:
1. Press the **POWER** button once.
2.If there is still no power, wait for 30 seconds and press the **POWER** button again.
3.If there is still no power, unplug the power cord from the wall outlet. Wait for 30 seconds and plug the power cord in. Press the **POWER** button again.
The protective technology should provide you years of lasting entertainment from your HITACHI Projection Television.

The following phenomena are not failures:

（1） The picture takes a while to appear on the screen when the power is on.
（2） The cabinet clicks. The clicking is a creaking sound produced when the cabinet expands or contracts due to changes in temperature.
（3）Unevenness in color sometimes develops in part of the screen. Such unevenness in color may occur depending upon the nature or setting of the picture. The proper color may be restored by reducing the contrast or adjusting other settings.
（4）The TV set can generate sound distortion in external devices such as a radio. Please place the radio equipment away from the TV set.

Accessories

No.	Description	Quantity	C43-FL9000	C52-WD9000
1	Instruction manual	1	Yes	Yes
2	Remote control unit (CLE-962)	1	Yes	Yes
3	Battery (For CLE-962)	2	Yes	Yes
4	Caster holder	4	Yes	Yes
5	Antenna adapter	1	Yes	Yes

ADDENDA

Specifications

<table>
<tr><td colspan="2">Model</td><td>C43-FL9000</td><td>C52-WD9000</td></tr>
<tr><td colspan="2">Screen size</td><td>109cm</td><td>132cm</td></tr>
<tr><td colspan="2">Power supply</td><td colspan="2" rowspan="2">Refer to the values as indicated on the rating label pasted at the back of the TV set.</td></tr>
<tr><td colspan="2">Power consumption</td></tr>
<tr><td rowspan="2">Reception system</td><td>RF/VIDEO</td><td colspan="2">PAL B.G/I/D.K
SECAM B.G/D.K
NTSC 50
M/NTSC
NTSC3.58-5.5/6.0/6.5
NTSC4.43-5.5/6.0/6.5
PAL/SECAM 60</td></tr>
<tr><td>COMPONENT/HDMI</td><td colspan="2"><table>
<tr><td>Total scan lines</td><td>1125i</td><td>750p</td><td>625p</td><td>625i</td><td>525p</td><td>525i</td></tr>
<tr><td>Active scan lines</td><td>1080i</td><td>720p</td><td>576p</td><td>576i</td><td>480p</td><td>480i</td></tr>
<tr><td>Vertical frequency（Hz）</td><td>50/60</td><td>60</td><td>50</td><td>50</td><td>60</td><td>60</td></tr>
</table></td></tr>
<tr><td colspan="2">Frequency range</td><td colspan="2">44MHz-863 MHz</td></tr>
<tr><td colspan="2">Antenna input impedance</td><td colspan="2">75Ohm non balance type</td></tr>
<tr><td colspan="2">Speaker</td><td colspan="2">Φ12×2 , Φ5×2</td></tr>
<tr><td colspan="2">Sound output</td><td colspan="2">12W×2</td></tr>
<tr><td colspan="2">Comb filter</td><td colspan="2">3D(PAL)/3D(NTSC)</td></tr>
<tr><td colspan="2">Digital convergence</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Magic focus</td><td>No</td><td>Yes</td></tr>
<tr><td colspan="2">NICAM/A2</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Surround</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">P in P</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">Teletext</td><td>Yes</td><td>Yes</td></tr>
<tr><td colspan="2">S-VIDEO INPUT</td><td>1(side),2(rear)</td><td>1(side),2(rear)</td></tr>
<tr><td colspan="2">VIDEO INPUT</td><td>1(side),4(rear)</td><td>1(side),4(rear)</td></tr>
<tr><td colspan="2">COMPONENT INPUT
（Y, P_B/C_B, P_R/C_R）</td><td>2(rear)</td><td>2(rear)</td></tr>
<tr><td colspan="2">HDMI INPUT</td><td>No</td><td>1(rear)</td></tr>
<tr><td colspan="2">AUDIO INPUT</td><td>1(side),4(rear)</td><td>1(side),4(rear)</td></tr>
<tr><td colspan="2">MONITOR OUT</td><td>1(rear)</td><td>1(rear)</td></tr>
<tr><td colspan="2">FIXED/VARIABLE AUDIO OUT</td><td>1(rear)</td><td>1(rear)</td></tr>
<tr><td colspan="2">Shielding</td><td>No</td><td>Yes</td></tr>
<tr><td colspan="2">Weight</td><td>56Kg</td><td>66Kg</td></tr>
<tr><td colspan="2">Dimension (mm)
(width×height×depth)</td><td>969mm×1229mm×456mm</td><td>1380mm×1232mm×600mm</td></tr>
</table>

Note:Specifications may be subject to change without notice for improvement.